

2001 ANNUAL EXHIBITION

Imperial College, London SW7—10 November 2001

The following account of exhibits has been compiled by R.D.G. Barrington (British butterflies), G.A. Collins (British Macrolepidoptera), H.E. Beaumont (British Microlepidoptera), N.M. Hall (Foreign Lepidoptera), P.J. Chandler (Diptera), R.G. Booth (Coleoptera), A.J.A. Stewart (Hemiptera), A.J. Halstead (Hymenoptera and other orders). The photographs for the two colour plates were taken by D.E. Wilson and the cost of printing these plates was met by a grant from the Hammond Memorial Fund.

Exhibits under the theme "Hedgerow Insects" were invited as part of the Annual Exhibition in 2001. The notes from these exhibits have been incorporated in the usual categories but, where appropriate, mention has been made if specimens were exhibited under this theme.

BRITISH BUTTERFLIES

BAILEY, K.E.J.—Temperature shock experiments on various butterflies, applied at the late larval/early pupal stage. Various aberrations were shown of *Issoria lathonia* (L.), *Polygonia c-album* (L.), *Euphydryas aurinia* (Rott.), *Apatura iris* (L.), *Aglais urticae* (L.) and *Lasiommata megera* (L). Little work has been done on temperature shocks in the family Satyridae and so the results in *megera* are interesting (see also report on exhibit of P. Tebbutt). Unlike the Nymphalids, in which most temperature shock work has been carried out, *L. megera* showed no smooth range of increasingly aberrant patterns.

Aglais urticae aberrations bred under natural conditions from inbred stock of ab. *pseudocomnixa* (Cabeau) (in which the central forewing costal black marking is joined to the basal spot on the inner margin). This included a possible example of homoeosis and an interesting new form in which the underside is heavily shaded with brown. This form appeared weak. Temperature shocks on pupae of *pseudocomnixa* produced a striking combination of this aberration with ab. *semiichneusoides* (Pronin). (Plate 1, Figs 10,12)

A bilateral gynandromorph of *E. aurinia* from bred stock.

BJE 2001 Exhib. Plate 1 (opposite)

Butterflies

1: *Lysandra coridon* ab. *grisea*, Wiltshire, D. Humphrey 2: *L. coridon* gynandromorph, August 2000, Chilterns, B. Fensome 3: *Polyommatus icarus* ab. *alba-radiata*, R.D.G. Barrington. 4: *Maniola jurtina* ab. *postmultifidus*, Dorset, July 2000, B. Fensome. 5: *Celestrina argiolus* gynandromorph, Coventry, Warcs. 2001, T. Gosling exhib. D. Brown. 6: *Polyommatus icarus* ab. *antidigitata* bred ex Battle, Sussex, P. Tebbutt. 7: *Pieris napi* ssp. *thomsoni* gynandromorph bred from Northern Scotland, R. D.G. Barrington. 8: *Hesperia comma*, male transitional ab. *dupuyi* (Ober.), P. Tebbutt 9: *Boloria selene* with blackish hindwings, cold shock, P. Tebbutt. 10: *Aglais urticae* ab. *pseudocomnixa* temp. shock with ab. *semiichneusoides*, bred 2001., K.E.J. Bailey. 11: *Boloria euphrosyne*, 26.v. 2001, A.M. Jones. 12: *Aglais urticae* ab. *pseudocomnixa* bred new form with underside heavily shaded with brown, K.E.J. Bailey. 13: *Argynnis paphia* ab. *nigricans*. July 2001, A.M. Jones.



PLATE 1

BARRINGTON, R.D.G.—Captured aberrations in 2000 and 2001 included a *Polymmatius icarus* (Rott.) ab. *alba-radiata* (Courv.) (Plate 1, Fig. 3). This was probably due to a spell of very hot weather at the time it would have pupated. A gynandromorph of *Maniola jurtina* (L.), forewings male, hindwings mixed, but very unusual in showing its effects on the underside only. Eight female *M. jurtina* ab. *postmultifidus* (Lipscomb), including extreme forms, from a hay meadow in Somerset. About 50 of this rare variety have been seen in this one field over the last four years—a level far higher than has been recorded elsewhere before. Bred aberrations:

a) *M. jurtina* ab. *postmultifidus*, eight females bred in an F₁ from a wild Somerset female. In the most extreme form the lower half of the underside hindwing central band is entirely obliterated. This is a dominant form and results from previous breeding experiments suggest that the homozygote may be lethal.

b) Eight *Pyronia tithonus* (L.) ab. *multiocellata* (Oberthür) bred in the F₃ generation from an original Devon female. The most well-developed had two very large, pupilled extra spots on each forewing and five on the upperside on each hindwing. This is a multifactorial form.

c) A series of *Pieris napi* (L.) ssp. *thomsoni* Warren bred from Northern Scotland. This included a mixed gynandromorph affecting three wings (Plate 1, Fig. 7) and a female with very heavily scaled forewing veining. The rest of the series comprised ab. *fasciata* (Kautz). The original female showed this form in a minor way and it has been developed through three generations of inbreeding to produce very strongly marked forms. A proportion of the females in each brood was of form *flava* (Kane). This produces females with yellow ground colour on the upper surface, the yellow varying from very pale to intense. Rarely it affects the underside too, but is sex-limited and so does not occur in the male.

BEAUMONT, H.E.—*Anthocharis cardamines* (L.), a gynandromorph, mainly affecting the underside, with streaks of orange on an otherwise female insect. Captured Denaby Ings, Mexborough, South Yorkshire 21.v.2001.

BROWN, D.—*Celastrina argiolus* (L.) gynandromorph, Coventry, Warws., 2001. T. Gosling (Plate 1, Fig. 5).

BUTCHER, A.J.—A very white specimen of *Colias croceus* (Geoffroy) f. *helice* (Hb.) ab. *albissima* (Ragusa) in which even the upperside hindwing discal spot is white. Captured at Alfriston, Sussex on 3.viii.1996.

BUTLER, A.L.—*Lysandra bellargus* (Rott.) ab. *albicincta* (Tutt), Swanage, August 2001. *Aglais urticae* (L.) ab. *semitchneusoides* (Pronin), *Polygonia c-album* (L.) ab. *sagitta-album* Frohawk and *Vanessa atalanta* (L.) ab. *klemensiewiczzi* (Schille) were all produced by temperature shocks to the pupa.

FENSOME, B.—*Maniola jurtina* (L.) ab. *postmultifidus* (Lipscomb), Dorset July 2000. The most extreme of this form on record, with the whole of the hindwing median band broken up and partially obliterated by dark scaling (Plate 1, Fig. 4). *Lysandra coridon* (Poda), a mixed gynandromorph from the Chiltern Hills, August 2000 (Plate 1, Fig. 2). A gynandromorph of *Anthocharis cardamines* (L.), Waresley, Beds., June 2001. *Polygonia c-album* (L.) ab. *suffusa* Tutt, June 2001, and 6 aberrations of *L. coridon* showing minor variation in spotting and ground colour from pupae that were artificially chilled.

HARMER, A.S.—Short series of *Aphantopus hyperantus* (L.) from various localities. This included southern England (Dorset, Hampshire and Sussex), Scotland (Dalbeattie Forest and Barclay Hill in Dumfries and Galloway) and Ireland (Milford, Co. Donegal). Compared to the English form the Scottish race is smaller and greyer on the under surface, with ocelli reduced in size. The Irish form is similar

to the Scottish in wing size and ocelli, but the underside is a darker brown than those from England and Scotland and more heavily covered in yellow scales. In flight even fresh specimens appeared worn.

A. hyperantus ab. *lanceolata* (Shipp) bred from Sussex stock, and female ab. *lanceolata* + *arete* (Müller) from a combination of Sussex and Dorset strains.

Polyommatus icarus (Rott.), short series from southern England, Scotland (Dumfries and Galloway, Tayside, Highland), Orkney and Ireland (Co. Sligo and Co. Donegal). The univoltine (Scottish and Irish) races tend to be bigger (except those from Orkney) and the females more blue. The males often show ab. *nigromaculata* (Cockerell), with a series of black spots on the upperside hindwing mirroring the position of the black spots in the marginal lunules of the underside.

HUMPHREY, D.—Nine specimens of *Lysandra coridon* (Poda) taken in a Wiltshire locality since 1990, including several ab. *grisea* (Tutt) (Plate 1, Fig. 1).

JONES, A.M.—The results of breeding from a captured homoeotic *Argynnis paphia* (L.) showing splashes of underside hindwing coloration on the underside of each forewing. 150 eggs were laid but many were infertile. The F₁ produced 10 typical adults and 11 showing homoeosis. The F₂ from pairings between homoeotic adults was very weak and produced 20 type insects and none showing homoeosis. Out-crossing homoeotic males to f. *valesina* (Esper) females produced 37 typical adults and 15 showing homoeosis. All examples of homoeosis were minor.

Breeding experiments with the fly *Drosophila* have shown that homoeotic mutations can be inherited in a simple Mendelian fashion. This important breeding experiment shows clearly that homoeosis can be heritable too in *A. paphia*, but in a rather more complex, or irregular, pattern.

Colias croceus (Geoffroy), 2 aberrations bred in December 2000 in an F₁ from a female captured in west Sussex. A male ab. *chrysotheme* (Stephens) and a female ab. *pseudomas* (Cockerell).

A fine aberrant underside of a female *Boloria euphrosyne* (L.) showing 'obsolete' forewings and unicolored and streaked hindwings. The upperside forewings were 'obsolete' and confluent, the hindwings slightly melanic and confluent. Captured 26.v.2001 (Plate 1, Fig. 11).

Two captured forms of *Argynnis paphia* (L.), July 2001. A male ab. *nigricans* (Cosmovici) and an extreme female ab. *ocellata* (Frings) (Plate 1, Fig. 13).

KNILL-JONES, S.A.—*Euphydryas aurinia* (Rottemburg) from Afton Down, Isle of Wight, 5.vi.2001.

MIDDLETON, A.F.—A female *Papilio machaon* L. with aberrant wingshape. Emerged from captive-bred stock, June 1988. A male *Polygonia c-album* (L.). ab. *obscura* (Closs.) (New Malden, Surrey, 21.vii.1986).

REVELS, R.C.—Bred aberrations of *Aphantopus hyperantus* (L.). Several strong ab. *lanceolata* Shipp selected from a brood of 400 in June/July 2000 and 200 in June/July 2001. This strain originates from F₂ larvae given to the exhibitor by A.S. Harmer in 1997. A selection of aberrations that combined ab. *lanceolata* and *arete* (Müller).

Maniola jurtina L. ab. *postmultifidus* (Lipscomb). Examples bred in the F₁ and F₂ generations from F₁ larvae of Somerset origin, given to the exhibitor by R.D.G. Barrington. The aberrations were stronger in the F₁ generation than in the F₂. A male lacking the apical eyespot, ab. *anommata* (Verity) emerged unexpectedly in the F₂.

Pieris napi (L.)—Specimens showing heavy dark scaling on the veins bred in F₈ and F₉ generations from an original Bedfordshire female captured in August 1997

which was also heavily veined. In the F₃, F₄ and F₅ generations, albino specimens (ab. *pallidus* Frohawk) appeared but proved too weak to breed.

Lysandra coridon (Poda) aberrations from the northern Chilterns included ab. *antidigitata* (B.&L.) and ab. *inaequalis* (B.&L.)

Photographs showing the life history of *Limenitis camilla* (L.)

STOKES, D.—3 gynandromorphs of *Anthocharis cardamines* (L.). One reared by C. Davidson in 1993 and noticed a few days after emergence in his greenhouse amongst many typical specimens. The second was reared from a wild-collected larva in 2000. The brood was to be released on the assumption that all were type, and this specimen was only noticed at the point of release. The third was captured in a carrier bag from the middle of a nettle patch on 1 June 2001.

TEBBUTT, P.—A range of aberrations resulting from temperature shock experiments. This included some good melanic forms of *Argynnis paphia* (L.), extreme forms of *Polygonia c-album* (L.) and 3 strong aberrations of *Boloria selene* (D.&S.), two showing 'obsolete' forewings and blackish hindwings (underside hindwings silver rayed) (Plate 1, Fig. 9). The third showed confluent forewings and black hind wings.

Two *Lasiommata megera* (L.) ab. *mediolugens* (Fuchs) showing darkened central forewing fascia produced by cold-shocking the pupae. Interestingly *mediolugens* can also have a genetic basis, being inherited in a simple Mendelian ratio. These exhibited specimens have no genetic basis but are exact phenocopies of that genetic form.

Various aberrations of *Polyommatus icarus* (Rott.) from cold-shocked pupae. They included examples with partially and totally obsolete spotting and a male ab. *antidigitata* (Courv.) (Plate 1, Fig. 6)

Bred aberrations included an extreme *Lycaena phlaeas* (L.) ab. *remota* (Tutt) and four *Anthocharis cardamines* (L.) ab. *umbrosa* (Culot) with blackish suffusion of the orange apical patches. Also *Pieris napi* (L.) with light apical markings in both sexes.

Captured aberrations included *P. napi* ab. *confluens* (Schima), *Pyronia tithonus* (L.) male ab. nov. with enlarged areas of fulvous on all wings and *Aphantopus hyperantus* (L.) ab. *cabeauii* (Pionneau), showing the spotting completely absent from the forewings and three small spots on each hindwing. An unnamed underside form of *Pararge aegeria* (L.) with three apical ocelli on each forewing, an *Aricia agestis* (D.&S.) ab. *unicolor* (Lempke) and *Hesperia comma* (L.), males ab. *clara* (Tutt) and transitional to *dupuyi* (Ober.) (Plate 1, Fig. 8) and females ab. *suffusa* (Tutt) and *pallidapuncta* (Tutt).

BRITISH MACROLEPIDOPTERA

ALBERTINI, M.V.—Examples of *Hypena rostralis* (L.) from Bucks. and Berks., reared from larvae found on *Humulus lupulus* L., 24–28.vii.2001.

BELL, R.A.—Some moths bred in recent years, including: *Hyles gallii* (Rott.), female from Thorpeness, E. Suff., 30.vii.2000; *Trigonophora flammea* (Esp.), female from Durlston Head, Dorset, 19.x.1997; *Mythimna unipuncta* (Haw.), female from Breage, W. Corn., 31.viii.2000; *Ennomos autumnaria* (Werne.), females from Rye, E. Sussex, 16.ix.2000; and *Cerastis leucographa* (D.&S.), female from Gussetts Wood, Bucks., 20.iv.1996.

BROOKER, R.J. & MASTERS, I.D.—Asymmetrical aberrations of: *Noctua pronuba* L., Haslemere, Surrey, 26.viii.1973; *Orthosia gothica* (L.), Middleton-on-Sea, W. Sussex, 14.iv.2001.

BROWN, D.C.G.—*Hyles gallii* (Rott.), Coventry, Warks., 24.vii.2001 (T. Gosling). Aberrations of: *Plusia putnami gracilis* Lempke, Malham Tarn, Mid-west York, 1.viii.2001; *Xanthorhoe montanata* (D.&S.), Grange-over-Sands, Westm., 29.v.2001; *Herminia grisealis* (D.&S.), Hampton Magna, Warks., July 2001 (P. Robbins).

BUTCHER, A.G.J.—Moths from Grain, W. Kent including: *Malacosoma castrensis* (L.), 14.viii.2001; *Aplasta ononaria* (Fuess.), a probable migrant, 25.viii.2001; *Mythimna obsoleta* (Hb.), showing a range of variation; and *Chilodes maritimus* (Tausch.), normal form, 31.viii.1999, ab. *nigristriata* Stdgr., 1.vii.2001, ab. *wismariensis* Schmidt, 1.vii.2001. An aberration of *Malacosoma neustria* (L.) with united cross-lines, Hamstreet, E. Kent, 6.vii.2001 (Plate 2, Fig. 10).

CLANCY, S.P.—Immigrant and vagrant moths from E. Kent: *Pelosia muscerda* (Hufn.), Orlestone Forest, 5.vii.2001; *Eilema caniola* (Hb.), Lydd, 13.x.2001; *Cryphia algae* (Fab.), New Romney, 10.viii.2001; *Hecatera dysodea* (D.&S.), Littlestone, 13.viii.2001; *Trisateles emortualis* (D.&S.), Hamstreet, 28.vii.2001. *Anticollix sparsata* (Treit.), Battle, E. Sussex—new to VC14. An aberration of *Cosmorhoe ocellata* (L.), Aviemore, Elgin, 11.vii.2001 (Plate 2, Fig. 4).

CLARKE, J.H.—Moths from the Isles of Scilly, W. Corn., viii.2001, including: *Agrotis puta insula* Rich.; *Eumichtis lichenea scillonea* Rich.; *Noctua comes* Hb.; *Euxoa tritici* (L.); *Cryphia muralis* (Forst.); and *Abrostola triplasia* (L.). Migrant examples of *Eupithecia abietaria* (Goeze) from Birchett Wood, E. Kent, 4.vii.2001 and Gravetye Forest, E. Sussex, 5.vii.2001. Forms and aberrations, including: *Mimas tiliae* (L.) ab. *roseotincta* Schawerda; *Hydrelia sylvata* (D.&S.) abs. *goodwini* Banks and *intermedia* Banks; *Antitype chi* (L.) abs. *nigricans* Tutt, *suffusa* Robson and *olivacea* Stephens; and *Angerona prunaria* (L.) ab. *fuscaria* Prout, Birchett Wood, E. Kent, 4.vii.2001 (Plate 2, Fig. 5).

COOK, R.R.—Lepidoptera from the Isles of Scilly, W. Corn., viii.2001: *Agrotis puta insula* Rich.; and *Abrostola triplasia* (L.). Clearwings attracted to pheromone lures: *Synanthedon tipuliformis* (Cl.), Wimborne, Dorset, 21.vi.2001; *S. andreaeformis* (Lasp.), Sovell Down, Dorset, 8.vii.2001; *Bembecia ichneumoniformis* (D.&S.), Portland, Dorset, 15.vii.2001. *Hypena rostralis* (L.), reared from larvae, Iford, Dorset, 7.vii.2001.

DICKSON, R.J.—Very late examples taken at Fareham, S. Hants: *Peribatodes rhomboidaria* (D.&S.), 13.x.2001; *Caradrina morpheus* (Hufn.), 27.x.2001. The migrant *Cyclophora puppillaria* (Hb.), Fareham, 19.x.2001.

DOBSON, A.H.—Moths from the BENHS field meeting at Leigh Woods, N. Som.: *Discoloxia blomeri* (Curt.); and *Abraxas sylvata* (Scop.). From N. Hants: *Helicoverpa armigera* (Hb.) reared from a larva in a supermarket lettuce, 11.i.2001; *Heliothis peltigera* (D.&S.), Bramley Frith Wood, 17.x.2001; *Calaena haworthii* (Curt.) and *Spodoptera exigua* (Hb.), Winnal Moors, 11.viii.2001. On behalf of P. Boswell, Greywell, N. Hants: *Cucullia absinthii* (L.), 27.vii.2001; *Paradrina clavipalpis* (Scop.), a dark aberration, 29.ix.2001 (Plate 2, Fig. 16).

EZARD, A.S.—A selection of moths from the Yorkshire coast, including: *Dasytoplia templi* (Thun.); *Cucullia asteris* (D.&S.); *Agrotis ripae* (Hb.); *Mythimna litoralis* (Curt.); *Apamea furva britannica* Cock.; *A. oblonga* (Haw.); and *Scotopteryx bipunctaria cretata* (Prout).

HALL, N.M.—A specimen of *Xestia rhomboidea* (Esp.) from Earley, Berks., 13.viii.2001. *Noctua janthe* (Borkh.), from Earley, Berks., and *N. janthina* (D.&S.), from France, to show the difference between the species (q.v. Langmaid, J. R.).

HART, C.—An immigrant example of *Eupithecia abietaria* (Goeze) from Reigate, Surrey, 5.vii.2001. There are only four previous Surrey records. [Examples were taken at South Croydon and West Molesey during the same immigration—GAC.]

HAYWARD, R.—Migrant moths taken in 2001: *Rhodometra sacraria* (L.), Slough, Bucks., 14 and 17.x.2001; *Hyles gallii* (Rott.), Black Park, Bucks., 25.vi.2001. Moths from Two Bridges, S. Devon, including: *Mythimna turca* (L.), 6.vii.2001; *Antitype chi* (L.), 25.viii.2001; and *Amphipoea lucens* (Frey.), 24.viii.2001. *Shargacucullia lychnitis* (Ramb.) from Slough, Bucks, 13.vii.2001.

HENWOOD, B.P.—Photographs of *Bembecia ichneumoniformis* (D.&S.) which were flying over a South Devon beach in the company of *Cerceris arenaria* (L.) (Hym.: Sphecidae) and *Ancistrocerus oiventris* (Wesm.) (Hym.: Eumenidae) which they greatly resembled in flight.

Photographs of larvae exhibiting apparent snake-mimicry, from Central American hawk-moths to British *Idaea*. Although the latter are considerably smaller than the smallest snake, they all exhibit similar patterns with eye-marks and a tapering body.

HIGGS, G.E.—Moths from the Island of Raasay, N. Ebudes, 3–10.ix.2001.

HONEY, M.R.—Moths from the Wetland Centre, Barn Elms, Surrey during 2001 including: *Rhizedra lutosa* (Hb.) aberration (Plate 2, Fig. 18); *Archanara dissoluta* (Treit.); and a reared example of *Hecatera dysodea* (D.&S.), the first modern record for VC17.

JENKINS, A.—From Scotland: *Scotopteryx chenopodiata* (L.); *Crocallis elinguarua* (L.); and *Apamea zeta assimilis* (Double.). From the Great Orme, Caern.: *Idaea dilutaria* (Hb.).

JOHNS, F. (exhibited by M. Townsend)—*Agrotis crassa* (Hb.), Cury, W. Corn., 11.vii.1999.

KNILL-JONES, S.A.—Moths from Freshwater, IoW, including: *Mythimna vitellina* (Hb.), 5 and 18.x.2001; *Trigonophora flammea* (Esp.), 20.x.2001; *Cyclophora puppillaria* (Hb.), 14 and 16.x.2001; *Xylena vetusta* (Hb.), 24.iii.2001; *Dryobota labecula* (Esp.), 14–18.x.2001 (3). Aberrations from Freshwater, including *Ennomos alniaria* (L.), 4.viii.2001 (Plate 2, Fig. 9) and *Ochropleura plecta* (L.), 29.viii.1966 (Plate 2, Fig. 13).

LANGMAID, J.R.—From Southsea, S. Hants: *Noctua janthina* (D.&S.), 9.vii.2001—new to Britain (Plate 2, Fig. 11)—together with *Noctua janthe* (Borkh.) to show differences (Plate 2, Fig. 12); *Mythimna favicolor* (Barr.), 24.vi.2001; *Abrostola tripartita* (Hufn.), 4.viii.2001, an asymmetrical aberration.

MARSHALL, L.A.—Moths from Gosport, S. Hants: *Petrophora chlorosata* (Scop.), a dark form, 6.vii.2001 (Plate 2, Fig. 6); *Craniophora ligustri* (D.&S.) ab. *coronula* Haw., 24.vi.2001; *Helicoverpa armigera* (Hb.), 21.x.2001.

MCCORMICK, R.F.—Biodiversity Action Plan moths recorded in Devon in 2001: *Scotopteryx bipunctaria cretata* Prout, Berry Head, Brixham, 28.vii.2001; *Hydrelia sylvata* (D.&S.), Burrator Reservoir, Sheepstor, 8.vii.2001, Great North Wood, Buckland Monachorum, 2.vii.2001, Great Torrington, 27.vi and 21.vii.2001; *Mythimna turca* (L.), Burrator Reservoir, Sheepstor, 8, 15 and 24.vii.2001, Two Bridges, 6.vii.2001; *Polymixis xanthomista statures* (Gregs.), Hartland Point, 28.viii.2001; *Moma alpium* (Osb.), Great Torrington, 27.vi and 21.vii.2001; *Lygephila cracca* (D.&S.), Hartland Point, larvae 5.vii.2001, adults 3 and 28.viii.2001; *Schrankia taenialis* (Hb.), Great North Wood, Buckland Monachorum, 11.viii.2001, Great Torrington, 21.vii.2001. Other species from Devon including: *Cossus cossus* (L.), Great North Wood, 2.vii.2001; *Euproctis chrysorrhoea* (L.), Teignmouth, 19.vii.2001; *Spilosoma urticae* (Esp.), Exminster Marshes, 18 and 25.vi.2001; *Abrostola triplasia* (L.), Great North Wood, 2.vii.2001, Holcombe, 6.vii.2001.

NASH, S.—Immigrant species from Durlston Head, Swanage, Dorset including the second British record of *Zanclognatha lunalis* (Scop.), 4.vii.2001 (Plate 2, Fig. 15).

Also from there: *Rhodometra sacraria* (L.), 16.x.2001; *Orthonama obstipata* (Fab.), 12 and 29.x.2001; *Mythimna albipuncta* (D.&S.), 4.v. and 17.viii.2001; *M. vitellina* (Hb.), 12–29.x.2001; *Trigonophora flammea* (Esp.), 29.x.2001; and *Helicoverpa armigera* (Hb.), 16.x.2001. Immigrant species from Fernham, Berks: *R. sacraria*, 1–29.x.2001 (17); *Hyles gallii* (Rott.), 13.vii.2001; *Atolmis rubricollis*, 4.vii.2001; *M. albipuncta* (D.&S.), 17.x.2001; *Meganola albula* (D.&S.), 2.viii.2001; *M. vitellina* (Hb.), 18.viii and 24.x.2001; *Xylena vetusta* (Hb.), 21.x.2001; and *Spodoptera exigua* (Hb.), 9.vii.2001.

PARSONS, M.S.—An example of *Ochropleura leucogaster* (Frey.) from Walditch, Dorset, 29.xi.2000.

PHILLIPS, J.W.—Lepidoptera captured or reared during 2001 including: *Anarta melanopa* (Thunb.), Tomintoul, Banff; *Hemaris fuciformis* (L.), reared from larvae, Chiddingfold, Surrey; and *Chortodes fluxa* (Hb.), Powerstock Common, Dorset.

PLANT, C.W.—Aberations of British moths with typical forms for comparison: *Epirrhoe alternata* (Müll.), Sawbridgeworth Marsh, Herts., 27.vii.1990; *Alcis repandata* (L.), Conygar Quarry, Clevedon, N. Som., 26.vi.2001; *Timandra comae* (Schmidt) (*griseata* (Peters.)), Bishop's Stortford, Herts., 24.viii.2001, J. Fish & J. Reeves (Plate 2, Fig. 7).

PORTER, J.—Moths from Chessington, Surrey, including: *Odontopera bidentata* (Cl.) ab. *nigra* Prout, 14.v.2000; *Menophra abruptaria* (Thunb.) ab. *fuscata* Tutt, 6.vi.1996; *Apamea monoglypha* (Hufn.) ab. *aethiops* Tutt, 16.vii.1998; *Cryphia domestica* (Hufn.), a selection of forms, 1998–2001; *Mimas tiliae* (L.) ab. *brunnea* Bartel, 5.vi.2001 (Plate 2, Fig. 17).

REVELS, R.C.—A leucistic example of *Noctua pronuba* L., Biggleswade, Beds., viii.2001 (Plate 2, Fig. 14).

ROUSE, A.—A bilateral gynandromorph of *Lasiocampa trifolii* (D.&S.) f. *flava* C.-Hunt reared from a Dungeness, E. Kent, larva, the female side also ab. *obsoleta* Tutt. *Hydrelia sylvata* (D.&S.), four examples showing a range of variation, Densole, E. Kent, 29.vi.2001. *Lacanobia oleracea* (L.), a melanic example, Densole, E. Kent, 23.v.2001.

SHARPE, P.—Aberations including: *Spilosoma lubricipeda* (L.), Dungeness, E. Kent, 16.vi.2001 (Plate 2, Fig. 8); *Lomaspilis marginata* (L.), Dungeness, E. Kent, 16.vi.2001 and Kingsthorpe, Northants, 16.vi.1999 (Plate 2, Figs 2,3).

SPALDING, A.—Examples of *Luperina nickerlii* (Frey.) from Cornwall, Essex, north Wales, western Ireland and east Germany showing the range of variation.

SWIFT, S.—*Melanthia procellata* (D.&S.), a melanic example from W. Sussex, 14.viii.2001.

TREMEWAN, W.G.—Immigrant Lepidoptera recorded from Playing Place, Truro, W. Corn. in 2001: *Lithosia quadra* (L.) (possibly resident); *Orthonama obstipata* (Fab.); and *Rhodometra sacraria* (L.).

TUNMORE, M.—Moth aberrations from Church Cove, Lizard, W. Corn.: *Cryphia muralis* (Forst.); and *Agrotis exclamationis* (L.).

WARING, P.M.—*Cyclophora porata* (L.): three individuals from Oakley Wood within Bernwood Forest, an ancient woodland site in Buckinghamshire, 23.v.1984, 31.vii.1984 & 19.vii.1986, representing first and second generation. Data from a programme of intensive light-trapping in Oakley Wood, in which 17 adults were captured in 1984 and four in 1985, were presented. These showed that the adults were more numerous in the second generation and the most productive time to trap them was 1–22 August. The moths occurred in a range of habitats within the wood, from oak woodland consisting of 40-year-old *Quercus robur* to conifer



PLATE 2

plantations planted in the 1950s, with only scattered oaks and oak scrub remaining.

WEDD, D.—Moths from England and the Channel Isles: *Lymantria dispar* (L.), examples of the long-extinct British race together with moths from the Channel Isles and Europe; *Tachea atriplicis* (L.), examples from England, where it is extinct, and the Channel Isles, where it has recently become established; *Thaumetopoea processionea* (L.), now resident in the Channel Isles, in Britain known only from a handful of immigrants, all since 1983; *Selenia lunularia* (Hb.), an increasingly common immigrant to Jersey, now breeding there—multiple-brooded in contrast to the univoltine British race. Unusual species from Henley-on-Thames, Oxon.: *Discoloxia blomeri* (Curt.); *Meganola albula* (D.&S.); and *Rhodometra sacraria* (L.).

YOUNG, D.A.—Lepidoptera from Tunstall Forest, E. Suff. in 2001: *Hyles gallii* (Rott.), one of two recorded in June; *Herminia tarsicrinalis* (Knoch), recorded commonly in the forest and at other sites in the area; *Xestia rhomboidea* (Esp.); *Spilosoma urticae* (Esp.); *Tethea ocularis octogesimea* (Hb.), melanic, 29.v.2001. *Scopula rubiginata* (Hufn.), two broods recorded regularly in the Woodbridge-Ipswich area, E. Suff.

BRITISH MICROLEPIDOPTERA

[Nomenclature follows the checklist of Bradley 2000]

BEAUMONT, H.E.—*Lampronia fuscata* (Tengst.), Potteric Carr, Doncaster (VC63), 25.v.2001, the first Yorkshire record since 1919. *Nematopogon pilella* (D.&S.), Little Don Valley, Langsett (VC63), 28.v.2001; *Recurvaria leucata* (Cl.), Lindrick, Rotherham (VC63), 30.vii.2001, only the third Yorkshire record in the past hundred years. *Goniodoma limoniella* (Staint.), Welwick salt marsh (VC61), reared in numbers in late June and early July from seedheads and stems of *Limonium vulgare* collected 30.v.2001 (with R. I. Heppenstall), the first Yorkshire record. *Bactra lacteana* Carad., Hutton Conyers, Ripon (VC65), 1.viii.2001 (C. H. Fletcher leg.), the first Yorkshire record. *Eucosma conterminana* (H.-S.), Idle Stop, Misson, Notts. (VC56), 25.viii.2001, the first Nottinghamshire record. *Endotricha flammealis*

BJE 2001 Exhib plate 2 (opposite)

Moths

1: *Dioryctria sylvestrella*, Greatstone, E. Kent, 30.vii.1999, S. Clancy. 2, 3: *Lomaspilis marginata*, Kingsthorpe, Northants, 16.vi.1999, and Dungeness, E. Kent, 16.vi.2001, P. Sharpe. 4: *Cosmorhoe ocellata*, Aviemore, Elgin, 11.vii.2001, S. Clancy. 5: *Angerona prunaria* ab. *fuscaria*, Birchett Wood, E. Kent, 4.vii.2001, J.H. Clarke. 6: *Petrophora chlorosata*, Gosport, S. Hants, 6.vii.2001, L. Marshall. 7: *Timandra comae*, Bishops Stortford, Herts., 24.viii.2001, J. Fish & J. Reeves, exhib. C.W. Plant. 8: *Spilosoma lubricipeda*, Dungeness, E. Kent, 16.vi.2001, P. Sharpe. 9: *Ennomos alniaria*, Freshwater, Isle of Wight, 4.viii.2001, S.A. Knill-Jones. 10: *Malacosoma neustria*, Hamstreet, E. Kent, 6.vii.2001, A. Butcher. 11: *Noctua janthina*, Southsea, S. Hants, 9.vii.2001, J.R. Langmaid. 12: *N. janthe*, to show differences, J.R. Langmaid. 13: *Ochropleura plecta*, Freshwater, Isle of Wight, 29.viii.1966, S.A. Knill-Jones. 14: *Noctua pronuba*, leucistic ab. Biggleswade, Beds., viii.2001, R. Revels. 15: *Zanclognatha lunalis*, Durlston Head, Swanage, Dorset, 4.vii.2001, S. Nash. 16: *Paradrina clavipalpis*, Greywell, N. Hants, 29.ix.2001, P. Boswell exhib. A.H. Dobson. 17: *Mimas tiliae* ab. *brunnea*, Chessington, Surrey 5.vi.2001, J. Porter. 18: *Rhizodra lutosus*, Barn Elms, Surrey, 2001, M.R. Honey.

(D.&S.) and *Evergestis pallidata* (Hufn.), specimens of each from vice-counties 61 & 63; both are spreading northwards and westwards in Yorkshire.

BLAND, K.P.—*Ethmia pyrausta* (Pall.), The Cairnwell, Aberdeenshire, 28.v.2001, at rest on snowbed at 810m., first VC92 record. *Cosmopterix orichalcea* Staint., Kilmory, Isle of Rum, reared 10–13.v.2001 from mines (also exhibited) in *Anthoxanthum odoratum* (Sweet Vernal-grass) collected 1.ix.2000. First confirmation of resident status in Scotland. *Scythris picaepennis* (Haw.), Kincaig Point, Fife (VC85) emerged 26.v.2001 from larval webs among *Thymus* sp. collected 5.v.2001. *Caloptilia azaleella* (Brants), Blackford, Edinburgh, 1/2.vii.2000 at MV light, first Midlothian (VC83) record. *Leucoptera orobi* Staint., Kinloch Glen, Isle of Rum, emerged 13.v.2001 from mine in *Trifolium pratense* collected 31.viii.2000, previously unrecorded foodplant in Britain.

BUTCHER, A.J.G.—Isle of Grain, Kent. *Eucosma metzneriana* (Treits.), 13.vi.1999 & 1.vii.2001; two further moths recorded in 2001 may indicate a local colony. *Cataclysta lennata* (L.), a melanistic female taken 26.vii.2001 with a typical specimen for comparison. *Loxostege sticticalis* (L.), 24 & 25.ix.2001; *Oncocera semirubella* (Scop.), 6.x.2001 an unusually late date, perhaps indicating a partial second generation.

BUTTER, P.—Microlepidoptera from Devon, including *Grapholitha lobarzewskii* (Now.), three specimens; *Donacaula forcicella* (Thunb.); *Platyptilia isodactylus* (Zell.); *Catoptria falsella* (D.&S.); *Catoptria margaritella* (D.&S.), localities and dates not stated. *Agriphila latistria* (Haw.), Barnstaple, Devon, the first VC4 record and Porlock, Somerset, dates not stated.

CLANCY, S.—*Euchromius ocella* (Haw.), south-east Kent, two specimens taken during viii.2001. *Haimbachia cicatricella* (Hb.), near Dymchurch, Kent, 27.vii.2001. *Agriphila tristella* (D.&S.), New Romney, Kent, 2001, four examples with pale forewing streak lacking or much reduced. *Catoptria verellus* (Zinck.), Lydd, Kent, 5.vii.2001, this and one taken the previous night in Hampshire are the first British records since the late 19th century. *Eudonea delumella* (Staint.), near Battle, East Sussex, two of five specimens taken late vi.2001, the first from the vice-county since before 1905. *Maruca vitrata* (Fabr.), West Hampstead, London, ca. 15.viii.2000. *Duponchelia fovealis* Zell., Canterbury College, Kent, 3.x.2001, the first Kent record. *Dioryctria sylvestrella* (Ratz.), Greatstone and near Dymchurch, both south-east Kent, 30.vii.1999, located in collections during 2001 and currently constituting the first British records. (Plate 2, Fig. 1) *Zophodia grossulariella* (Zinck.), West Kingsdown, Kent, 21.v.2001, the second Kent and third British record.

CLARKE, J.—*Schoenobius gigantella* (D.&S.), Birchett Wood, Ham Street, Kent, at MV light 4.vii.2001. *Nascia ciliaris* (Hb.), Filsham, Hastings, East Sussex, 21.vii.2001. *Dioryctria schuetzeella* Fuchs, Birchett Wood, Ham Street, Kent, at MV light 4.vii.2001; Gravetye Forest, East Grinstead, West Sussex, 5.vii.2001. *Epischmia banksiella* Rich., Portland, Dorset, reared ex larvae on *Inula crithmoides*. *Nephoteryx angustella* (Hb.), Dartford Heath and Bowman's Heath, Dartford, Kent, reared ex larvae, emerged x/xi.2000 and early spring 2001.

DAVIS, A.M.—An exhibit publicising the Pyralid and Plume Recording Scheme and showing progress since its launch in 1994. Attention was drawn to a recent increase in records of the resident species *Cryptoblabes bistriga* (Haw.) and *Apomyelois bistriatella subcognata* (Rag.) and the potential colonists *Duponchelia fovealis* Zell. and *Sciota adelphella* (F.v.R.).

GIBBS, D.—*Bohemannia auriciliella* (Joann.), Pine Wood, Berkshire (VC22), 22.vi.2001 (conf. J.R. Langmaid). The first Berkshire and perhaps the fourth British record. *Acanthopsyche atra* (L.), Stokeford Heath, Dorset (VC9), vacated male case 20.v.2001 (conf. P. H. Sterling). Second Dorset record of this nationally scarce moth.

Pachythelia villosella (Ochs.), Stokeford Heath, Dorset (VC9), vacated male and female cases 4.vi & 6.vii.2001. *Infurcitinea argentimaculella* (Staint.), Redfield, Bristol (VC34), male on garage wall 14.vii.2001. *Ochsenheimeria urella* F.v.R., Wavering Down, Somerset (VC6), 15.vii.2001. *Leucoptera spartifoliella* (Hübner.), Troopers Hill, Bristol (VC34), 4.vii.2001. *Bucculatrix maritima* Staint., Sand Point, Somerset (VC6), reared from pupa on *Aster* 18.v.2001. *Phyllonorycter strigulatella* (Lien. & Zell.), Pine Wood, Berkshire (VC22), swept in open woodland 27.vii.2001 (det. J.R. Langmaid); there are few Berkshire records. *Phyllonorycter lautella* (Zell.), Pine Wood, Berkshire (VC22), 27.vii.2001. *Glyphipterix forsterella* (Fabr.), Avonmouth, Bristol (VC34), 29.v.2001. *Tinagma ocnerosomella* (Staint.), Stokeford Heath, Dorset (VC9), 4.vi.2001; most Dorset records are from coastal cliffs. *Argyresthia cupressella* Wals., Pine Wood, Berkshire, (VC22), 22.vi.2001, probably the first Berkshire record. *Coleophora siccifolia* Staint., Leigh Woods, Somerset (VC6), 30.vi.2001. *Coleophora conyzae* Zell., Stokeford Heath, Dorset (VC9), reared from cases on *Inula*, 30.vi.2001. *Coleophora kuehnella* (Goeze), Leigh Woods, Somerset (VC6), 30.vi.2001. *Pseudatemelia josephinae* (Toll), Leigh Woods, Somerset (VC6), 30.vi.2001. *Monochroa lucidella* (Steph.), Avonmouth, Bristol (VC34), several along margin of artificial lake 5.vii.2001. *Chionodes fumatella* (Dougl.), Bath, Somerset (VC6), a pair amongst moss growing on concrete 14.viii.2001. *Mompha divisella* H.-S., Redfield, Bristol (VC34), 18.iv.2001, a strong colony in urban garden galling *Epilobium*. *Scythris grandipennis* (Haw.), Tickenham Hill, Somerset (VC6), 26.vi.2001. *Pammene gallicana* (Guen.), Bath, Somerset (VC6), common amongst *Daucus* 14.viii.2001. *Crambus hamella* (Thunb.), Stokeford Heath, Dorset (VC9), 15.viii.2001. *Thisanotia chrysonuchella* (Scop.), Tickenham Hill, Somerset (VC6), 30.v.2001. *Oxyptilus parvidactylus* (Haw.), Coillard Hill, Somerset (VC6), 20.vi.2001. *Capperia britanniodyctyla* (Gregs.), Stokeford Heath, Dorset (VC9), many over small area of *Teucrium* 6.vii.2001. *Merrifieldia baliodactylus* (Zell.), Tucking Hill, Somerset (VC6), one amongst *Origanum* 16.vii.2001. *Adaina microdactyla* (Hübner.), Stokeford Heath, Dorset (VC9), 4.vi.2001, abundant at this site; Tucking Mill and Burlledge Hill, Somerset (both VC6), vacated galls 5.vii.2001 and 23.vi.2001 respectively.

HALL, N.M.—*Cydia amplana* Hb., Hastings Country Park, 19.viii.1996.

HECKFORD, R.J.—*Coleophora arctostaphyli* Meder, The Craig, South Aberdeen (VC92), one early instar case on *Arctostaphylos uva-ursi* 4.vi.2001. Possibly only the third known locality in VC92. *Stathmopoda diplaspis* (Meyr.), Marsh Mills, Plymouth, Devon (VC3), reared 25.iii.2001 from the calyx of a pomegranate bought at a local supermarket 8.xii.2000. An adventive new to the British Isles and Europe. *Levipalpus hepatariella* (Lien. & Zell.), Newtonmore, Easternness (VC96) (with J. R. Langmaid), larvae in tubes in the soil near lower leaves of *Antennaria dioica* 6.vi.2001, moth reared 13.vii.2001 (larva not previously found in the British Isles and not in continental Europe until 1987); Glen Tilt, East Perth (VC89), 5.ix.2001, first VC89 record. *Metzneria metzneriella* (Staint.), Newtonmore, Easternness, 6.vi.2001, first VC96 record. *Xystophora pulveratella* (H.-S.), between Easter Cullachie and West Cullachie to the west of Nethy Bridge, Easternness (VC96) on a short stretch of the verge to the south of the B9760, larvae in folded leaves of *Trifolium pratense* 14.ix.2000, moths reared 11 & 13.iv.2001. Previously unrecorded locality and foodplant in the British Isles. *Bryotropha dryadella* (Zell.), Grays, Essex (VC18), larvae in tubes among *Barbula unguiculata*, a *Barbula* sp. and a *Bryum* sp. 29.iii.2001, moth reared 29.iv.2001; Swanscombe, Kent (VC16), larvae in tubes among *Barbula unguiculata*, a *Barbula* sp. and a *Bryum* sp. 29.iii.2001, moths reared 28.iv.2001 (both with D.J.L. Agassiz), first Kent record; Berry Head, Brixham, South Devon (VC3), larva in tube among *Ctenidium molluscum* 8.iv.2001, moth reared 9.v.2001. Larva

previously unknown both in the British Isles and in continental Europe. *Bryotropha similis* (Staint.), Devil's Elbow, Glen Shee, East Perth (VC89), larvae among *Bryum* and *Schistidium* spp. 4.iv.2001, moth reared 25.vi.2001. *Bryotropha senectella* (Zell.), Billacombe, Plymstock, South Devon (VC3), larva in a tube among *Homalothecium lutescens* 29.iv.2001, moth reared 24.v.2001; Blairlogie, West Perth (VC87), larvae in tubes among *Bryum* sp. 2.vi.2001, moth reared 7.vii.2001. *Athrips tetrapunctella* (Thunb.), between Easter Cullachie and West Cullachie, on the same stretch of verge as *Xytophora pulveratella* and on the same date, larvae among spun leaves of *Vicia cracca*, moths reared 8 & 10.iv.2001. Previously unrecorded locality and foodplant in the British Isles. *Syncopacma albifrontella* (Hein.), Morrone Birkwood NNR, South Aberdeen (VC92), 5.vi.2001, new to the British Isles. *Dichomeris juniperella* (L.), Crathie and Rinabaich, both South Aberdeen (VC92) (with J.R. Langmaid), larvae in tubes amongst *Juniperus communis* 2 & 3.vi.2001 respectively, moths reared 29.vi & 26.vi.2001. Both are new localities for the species. The larva was first recorded in the British Isles in 1854 and not again until this discovery. The larval description in Meyrick, E. ([1928]), *A revised Handbook of British Lepidoptera* p.647 is wrong. *Pempelia palumbella* (D.&S.), Crownhill Down, South Devon (VC3), larvae in tubes amongst *Erica cinerea* 20.i & 17.ii.2001, moths reared 28.iv & 16.v.2001. Ground colour of larvae brown, not green as stated by Buckler (1901), *The larvae of the British butterflies and moths* 9:282–283, this is possibly the first time that the species has been reared from larvae found in the wild in the British Isles. *Ephestia figulilella* Gregs., Marsh Mills, Plymouth, South Devon (VC3), reared from the calyx of a pomegranate bought at a local supermarket 5.i.2001, moth reared 8.vii.2001. Second Devon record and previously unrecorded imported pabulum in the British Isles.

HENWOOD, B.P.—*Opostega salaciella* (Treits.), Dawlish Warren, South Devon (VC3), 3.viii.2001 (with R.F. McCormick). *Gymnancyla canella* (D.&S.), Dawlish Warren, South Devon, 3.viii.2001 (with R.F. McCormick), first Devon record. *Platytes alpinella* (Hb.), Dawlish Warren, South Devon, 3.viii.2001 (with R.F. McCormick). *Coleophora maritimella* Newm., Dawlish Warren, South Devon, reared ex larva on *Juncus maritimus* 24.vi.2001, first VC3 record. *Cydia molesta* (Busck), Newton Abbot, South Devon, reared ex larva in Italian plum 20.vi.2001. *Glyphipterix linneella* (Cl.), Torquay, South Devon, resting on trunk of *Tilia* 26.v.2001. *Pediasia contaminella* (Hb.), Berry Head, South Devon, 28.vii.2001 (with R.F. McCormick), the third Devon site. *Bucculatrix thoracella* (Thunb.), Plymouth city centre, South Devon, reared ex cocoon on trunk of *Tilia* 16.v.2001; cocoons were abundant on the trunks. *Grapholita lobarzewskii* (Now.), Abbotskerswell, South Devon, a fresh specimen on the inside of the exhibitor's kitchen window 31.v.2001. It may have originated from an apple brought in from the garden in the autumn and spent the winter in the kitchen. *Gyponoma dealbana* (Fröl.), Abbotskerswell, South Devon, reared ex larva on *Quercus robur*. An associated photographic exhibit showed the characteristic autumn feeding of the larva, a silken tube covered externally with frass and discarded head capsules on the underside of the leaf, which had not previously been recognised as belonging to this species. *Sitochroa palealis* (D.&S.), Prawle Point, South Devon, 23.vi.2001 (with R.F. McCormick).

HONEY, M.R.—Specimens of a nepticulid from the Natural History Museum Wildlife Garden and Buckingham Palace gardens in 2001 which have been identified as *Ectoedemia heringella* (Mariani), a leaf miner of holm oak not previously recorded in Britain.

KNILL-JONES, S.A.—A selection of mainly undetermined microlepidoptera from the Isle of Wight (VC10). *Loxostege sticticalis* (L.), Freshwater, Isle of Wight, 27.ix.2001.

LANGMAID, J.R.—*Stigmella carpinella* (Hein.), Stansted Forest, West Sussex, two specimens reared from *Carpinus betulus* mines collected 14.x.2000, first VC13 record. *Lampronia capitella* (Cl.), Mynthurst Wood, Surrey, 21.v.2001. *Parornix carpinella* (Frey), Stansted Forest, West Sussex, a specimen reared from *Carpinus betulus* collected 15.x.2000, first VC13 record. *Acrolepiopsis assectella* (Zell.), Southsea, Hampshire, a specimen at MV light 17.viii.2001. *Levipalpus hepatoriella* (Lien. & Zell.), Inverness-shire, a specimen reared from *Antennaria dioica* collected (with R.J. Heckford) on 6.vi.2001. *Agonopterix assimilella* (Treits.), near Braemar, Aberdeenshire, two males and two females reared from green larvae (the larva is usually brown) on *Cytisus scoparius* collected 3.vi.2001 during an expedition with R.J. Heckford. The specimens show marked sexual dimorphism, the females being larger and paler than the males. *Gelechia senticetella* Staud., Southsea, Hampshire, at MV light 28.vii.2001, the second VC11 record. *Dichomeris juniperella* (L.), Deeside, Aberdeenshire, two specimens reared from larvae on *Juniperus communis* collected (with R.J. Heckford) 2–3.vi.2001. *Blastobasis* sp. (undescribed), Bishop's Waltham, Hampshire, at MV light, 27.vii.2001. The species was first found by R.J. Dickson in 1998. *Celypha rivulana* (Scop.), Southsea, Hampshire, 31.vii.2001, a particularly dark specimen. *Catoptria verellus* (Zinck.), Southsea, Hampshire, at MV light 4.vii.2001, first Hampshire record. *Pediasia contaminella* (Hb.) ab. *sticheli* Const., Southsea, Hampshire, 28.vii.2001.

MANNING, D.V.—*Palpita vitrealis* (Rossi), Wellingborough, Northamptonshire, at MV light 22.x.2001 (D. Larkin leg.), the first VC32 record. *Homoeosoma nebulella* (D.&S.), Amptill Park, Bedfordshire, 21.ix.2001, first VC30 record.

MCCORMICK, R.F.—*Pediasia contaminella* (Hübner), Berry Head, Brixham, Devon, several seen 28.vii.2001, an unusual habitat, being limestone instead of sand. *Platytes alpinella* (Hb.), Dawlish Warren, Devon, several seen 4.viii.2001; the last previous record at the site was 18.viii.1984 and subsequent searches had failed to rediscover it. *Evergestis extimalis* (Scop.), Teignmouth, Devon, 28.vi.2001. *Phlyctaenia stachydalis* (Germ.), Great North Wood, Buckland Monachorum, several seen 2.vii.2001. *Gymnancyla canella* (D.&S.), Dawlish Warren, Devon, 4.viii.2001 (with B.P. Henwood), the first Devon record.

NASH, S.—Farnham, nr. Faringdon (VC22): *Chilo phragmitella* (Hübner), 4.vii.2001; *Calamatropha paludella* (Hb.), 4.vii & 5.viii.2001; *Ostrinia nubilalis* (Hb.), 23.vi & 9.vii.2001; *Sitochroa palealis* (D.&S.), 14.viii.2001; *Nephoterix angustella* (Hb.), 20.ix.2001; *Eudemis profundana* (D.&S.), a well marked example 20.vii.2001; *Pyrausta aurata* (Scop.), an aberrant specimen 28.viii.2001. Durlston Country Park, Dorset (VC9): *Schoenobius gigantella* (D.&S.), 4.vii.2001, one of two taken in 2001 and thought to be the first county records since the 1960s; *Evergestis extimalis* (Scop.), 4.vii.2001; *Udea fulvalis* (Hb.), 17.viii.2001; *Palpita vitrealis* (Rossi), five on 12.x.2001 & one 29.x.2001; *Conobathra tumidana* (D.&S.), 4.vii.2001. Church Norton, Pagham Harbour, Sussex (VC13): *Eudonia pallida* (Curt.); *Pempelia genistella* (Dup.); *Conobathra tumidana* (D.&S.), all taken 25.viii.2001.

PARSONS, M.S.—*Dioryctria sylvestrella* (Ratz.), Shaggs, Dorset, 1.viii.2001. First Dorset record; this species first occurred in Britain in Kent in 1999. Walditch, Dorset: *Cosmopterix pulchrimella* (Chamb.), 13.x.2001, new to Britain; *Hellula undalis* (Fabr.), 18.x.2001; *Endothenia ustulana* (Haw.), 30.vi.2001 & 17.vii.2001; *Argolamprotes micella* (D.&S.), 4 & 6.vii.2001; *Amblyptilia punctidactyla* (Haw.), 19.x.2001. Tilshead, Wiltshire: *Monochroa elongella* (Hein.), 20.vi.2001; *Metzneria aprilella* (H.-S.), 20.vi.2001; *Grapholita caecana* (Schlåg.), 20.vi.2001.

PHILLIPS, J.W.—*Cynaeda dentalis* (D.&S.), Gunner Point, Hayling Island, Hampshire, reared ex larvae 2001. *Udea decrepitalis* (H.-S.), Loch Arkaig, Inverness-shire, reared 2001.

PLANT, C.W.—*Duponchelia fovealis* Zell., Hexton chalk pit, Hertfordshire, 20.x.2001.

PORTER, J.—*Lampronia capitella* (Cl.), Leigh, Surrey, 26.v.2001. *Glyphipterix schoenicolella* Boyd, Lightwater, Surrey, 21.vii.2001. *Tachystola acroxantha* (Meyr.), Chessington, Surrey, 12.v.1999; Babbacombe, Devon, 13.viii.2001. *Gelechia turpella* (D.&S.), Mitcham, Surrey, at rest on *Populus nigra* trunk 24.vi.1998. *Syncopacma polychromella* (Rebel), Hook, Surrey, on window inside office building 1.ii.1999, the second British record. *Phalonidia curvistrigana* (Staint.), Iden, East Sussex, reared from *Solidago* collected 10.ix.2000. *Commphila aeneana* (Hb.), Leatherhead, Surrey, 20.v.1999 & 26.v.2001. *Tortrix viridana* (L.), Ashtead, Surrey, one yellow moth amongst probably at least ten thousand typical moths at seven light traps. *Apotomis sauciana* (Fröl.), Abinger, Surrey, larva swept from *Vaccinium* 27.v.2001. *Elegia similella* (Zinck.), Ashtead, Surrey, 25.vi.2001.

SHARPE, P.—*Oecophora bractella* (L.), Tintern, Monmouth., 17.vi.2001. *Dichomeris ustalella* (Fabr.), Tintern, Monmouth., 17.vi.2001. *Arclips oporana* (L.), Elvedon Forest, Suffolk, 27.ix.2000. *Acleris cristana* (D.&S.), Salecy Forest, Northants. 12.viii.1995. *Acleris literana* (L.), Pitsford, Northants. 30.viii.1995. *Catoptria permutatella* (H.-S.), Trinafour, Perthshire, 7.vii.2001. *Uresiphita polygonalis* (D.&S.), Durlston, Dorset, 13.x.2001. *Duponchelia fovealis* Zell., Northampton, 19.x.2001. *Assara terebrella* (Zinck.), Canford, Dorset, 22.vii.2000. *Ancylosis oblitella* (Zell.), Northampton, 8.ix.1995.

SIMS, I.—*Antispila treitschkiella* (F.v.R.), Medmenham, Marlow, Buckinghamshire, cases from *Svida sanguinea* 10.ix.2000, adults hatched 26.v.2001. *Diplodoma herminata* (Geoff.), Bear Wood, Wokingham, Berkshire, cases in cobwebs on tree trunks 28.v.2001, hatched 21.vi.2001. *Dahlica inconspicuella* (Staint.), Dungeness, Kent, cases under roofing felt on strand line 28.i.2001, male hatched 5.xi.2001, female hatched 12.iii.2001. *Bucculatrix cristatella* Zell., Lower Earley, Reading, Berkshire, mines on leaves of *Achillea millefolium* 30.vi.2001, hatched 18.vii.2001. *Parectopa ononidis* (Zell.), Wickford, Essex, mines in leaves of *Trifolium repens* 8.vii.2001, hatched 24.vii.2001. *Coleophora violacea* (Ström), Hainault Forest, Chigwell Row, Essex, cases on *Prunus spinosa* 4.x.2000, hatched 22.v.2001. *Coleophora binderella* (Koll.), Froxfield, Hungerford, Berkshire, case on leaf of *Corylus avellana* 21.v.2001, hatched 24.vi.2001. *Coleophora potentillae* Elisha, Hainault Forest, Chigwell Row, Essex, cases on leaves of *Rubus fruticosus* 14.x.2000, hatched 25.v.2001. *Coleophora alcyonipennella* (Koll.) = *frischella* auct., Wickford, Essex, case on seed of *Trifolium repens* 8.vii.2001, hatched 1.viii.2001. *Coleophora conyzae* Zell., Lower Earley, Reading, Berkshire, cases and mined leaves of *Pulicaria dysenterica* 9.vi.2001. *Coleophora solitariella* Zell., Iver Heath, Berkshire, cases on leaves of *Stellaria holostea* 22.iv.1998. *Coleophora albidella* (D.&S.), Lower Earley, Reading, Berkshire, case on *Salix cinerea* 23.v.2001, hatched 9.vi.2001. *Coleophora striatipennella* (Nyl.), Lower Earley, Reading, Berkshire, cases on seeds of *Cerastium fontanum* 30.vi.2001, one moth hatched 28.viii.2001, the only one from around 200 cases to emerge the same year as larval feeding. Larvae were collected while still feeding in the seed heads; no parasites have been reared so far. *Coleophora trochilella* (Dup.), Lower Earley, Reading, Berkshire, case on *Pulicaria dysenterica* 6.vi.2001, hatched 29.vi.2001. *Coleophora peribenanderi* (Toll), Lower Earley, Reading, Berkshire, cases on *Cirsium arvense* 9.vi.2001, hatched 27.vii.2001. Also parasites, hatched indoors by 10.vii.2001. *Perittia obscurepunctella* (Staint.), Bear Wood, Wokingham, Berkshire, mines on *Lonicera periclymenum* 25.vi.2000, cocooned

on sallow bark and wood, hatched 25.vi.2001. Parasitoids hatched indoors by 24.vii.2000.

SIMS, I., CHANDLER, J.M. & GALE, B.A.—An exhibit to mark the fiftieth anniversary of the publication of *Biology of the leaf miners* by Erich Hering (1951), still the only comprehensive text on minology, and to draw attention to the splendid collection of leaf mines that was bequeathed to the BENHS by the late Eric Bradford. Exhibited were examples of lepidopterous leaf mines and a display of the principal books available for their identification.

SLADE, D.J.—*Bucculatrix thoracella* (Thunb.), Roath, Cardiff, Glamorgan, at UV light 30.vii.2001; Cathays Cemetery, Cardiff, leaf mine 21.ix.2001; the first VC41 records. *Coleophora asteris* Mühl., Berrow, Somerset, at MV light 22.viii.2001, gen. det. D.J. Slade (B.E. Slade leg.). *Phtheochroa sodaliana* (Haw.), The Knap, Barry, Glamorgan, 23.viii.2001 (with D.R.W. Gilmore & M.C. Powell), first VC41 and possibly first Welsh record. *Neosphaleroptera nubilana* (Hb.), Welsh Hawking Centre, Barry, Glamorgan, 1.vii.2001, first VC41 record.

THIRLWELL, I.R.—*Sciota adelphella* (F.v.R.), Portsmouth, South Hampshire (VC11), 28.vi.2001. First Hampshire record.

FOREIGN LEPIDOPTERA

CORLEY, M.F.V.—Moths from Serra da Estrela, Portugal, 3–10.ix.2001: Serra da Estrela is the highest mountain range in Portugal reaching 1993m. Some 300 species of Lepidoptera were recorded. About half of these were exhibited. 65% were on the British list. Some of the familiar British species (*Arctia caja* L., *Catocala nupta* L.) are very rare in Portugal. A number of the species were new records for Portugal, including the macrolepidoptera *Catocala fraxini* L., *Amphipyra tetra* F. and *Charissa avilaria* Reisser. Different collecting sites on north- and south-facing mountain slopes at altitudes from 750 to 1900m produced summer and autumn species simultaneously.

DOBSON, A.H.—Lepidoptera from the outskirts of Puerta de La Cruz, Tenerife, Canary Islands: *Pararge xiphioides* Stdgr, common in residential areas with grassy roadside verges, iii.2001; moths from roadside scrub, near the Jardin Botanico, after dusk, 23.iii.2001, including *Spoladea recurvalis* F., *Hypena obsitalis* Hb. and *H. lividalis* Hb.

EDWARDS, P.J.—A small collection of moths taken at about 150m in the hills just to the NW of Lucca in Italy in June 2001: PJE, Michael Salmon & Eric Classey stayed in a converted farmhouse and ran an MV trap for 4 or 5 nights. *Arctia villica* L. and *Palpita vitrealis* (Rossi) were both common. The Syntomid *Amata phegea* L. was a common day-flier, initially mistaken for *Zygaena ephialtes* L. (ssp. *coronillae*) which mimics it. The following species were exhibited: *Apoda limacodes* Hufn., *Amata phegea* L., *Zygaena transalpina* Esp., *Anania verbascalis* D.&S., *Watsonalla binaria* Hufn., *Macaria notata* L., *Chiasmia clathrata* L., *Selenia dentaria* F., *Peribatodes rhomboidaria* D.&S., *Hypomecis roboraria* D.&S., *Campaea margaritata* L., *Hemistola chrysoprasaria* Esp., *Idaea aversata* L., *Rhodostrophia calabra* Petagna, *Drymonia querna* D.&S., *Spatalia argentina* D.&S., *Moma alpium* Osbeck, *Acrionicta alni* L., *Craniophora ligustri* D.&S., *Idia calvaria* D.&S., *Paracolax tristalis* F., *Lygephila cracca* D.&S., *Laspeyria flexula* D.&S., *Protodeltote pygarga* Hufn., *Heliothis peltigera* D.&S., *Dypterygia scabriuscula* L., *Lacanobia w-latinum* Hufn., *Hadena luteago* D.&S., *Mythimna ferrago* F., *Noctua comes* Hb., *Agrotis ipsilon* Hufn.,

Colocasia coryli L., *Lymantria monacha* L., *Calliteara pudibunda* L., *Pseudoips prasinana* L., *Mitochondria miniata* Forst., *Eilema deplana* Esp., *Arctia villica* L.

HALL, N.M.—(1) Moths from Fuerteventura (Canary Islands) 29.xi–13.xii.2000: The site was the Oliva Beach Apartments, which is in a tourist 'island', surrounded by the Parque Natural Dunas de Corralejo, an area of blown sand with sparse vegetation. Moths were collected at the hotel lights and in an improvised moth trap: an aluminium bar fitted with a lampholder was taken from England and a Skinner trap was built around it with cardboard: *Leucania punctosa* Treit., *Abrostola canariensis* Hamp., *Polymixis bacheri* Püngeler, *Tathorhynchus exsiccata* Lederer, *Cucullia syrtana* Mabille, *Blepharita usurpatrix* Rebel, *Idaea volloni* Lucas & Joannis, *Agrotis lanzarotensis* Rebel, *Agrotis herzogii* Rebel.

(2) Moths from Belize: Illustrations of all the moths NMH had brought back from the December 1998 BENHS Expedition to Belize, plus some additional specimens from Barry Fox and Paul Waring. Each moth was illustrated life size. If the wingspan was less than 21mm it was also illustrated enlarged, usually $\times 2$. The plates were assembled using Adobe Photoshop 6 from separate CCTV video images of individual specimens. They are saved on disk as multi-layered digital images: each (moth) image and each (image) number 'riding' on a separate otherwise-transparent layer, which can be replaced, modified or moved around without affecting any other layer. Some of the features of Photoshop 6 (as opposed to earlier versions) make it very suitable for the application.

(3) Bred *Idaea* from Spain: NMH continued to have reasonable success breeding *Idaea* from wild-caught gravid females, using the method first described at the BENHS 2000 Exhibition. The essential elements of the method were: (a) a glass specimen tube kept upright to confine small larvae to a small volume, (b) a stopper of toilet tissue to allow the food to dry out, (c) a disc of card at the base to enable larvae that descend to get a good grip, (d) a sprig of *Erica* for larvae that ascend to rest with good ventilation. (e) Flowers to eat. (Most *Idaea* larvae can eat petals or stamens even after they dry out, whereas they may not be able to cope with leaves that are too dry. Hence, flowers should still be provided even if the larvae are apparently happy eating something else.) (f) Anything else the larvae will eat (not necessary if they eat *Erica*). Quantities are kept low. Flowers used included *Helichrysum*, *Cistus*, *Helianthemum*, *Ulex*, *Geranium*, *Taraxacum*, *Potentilla* and *Fallopia baldschuanica* (Russian Vine). *Helichrysum* (Curry Plant) was particularly useful because even tiny larvae can feed exposed and do not burrow in and get lost: (i) *Idaea saleri* Domínguez & Baixeras, from females 30.vi & 1.vii.2001, El Torn, L'Hospitalet del Infant, Tarragona, emerging from 2.xi.2001, (ii) *I. alicantaria* Reisser, from female 31.v.2000, Vera Playa, Almería, emerging 10.vi.2001 & 1.vii.2001, (iii) *I. filicata* Hb., from female 28.ix.2000, El Torn, L'Hospitalet del Infant, Tarragona, emerging 22.ii.2001, (iv) *I. rusticata* D.&S., from female 12.vii.2001, Puerto de la Mora, Granada, emerging from 2.x.2001, (v) *I. infirmaria* Rambur, from female 1.viii.2001, El Torn, L'Hospitalet del Infant, Tarragona, emerging 18.x.2001, (vi) *I. eugeniata* Millière, from female 27.ix.2000, Montañas de Prades, Tarragona, emerging from 8.i.2001.

(4) *Araeopteron ephaea* Hamp. (Noctuidae) from Cala Medio Luna, Almería, Spain, 7.vii.2001: This is a 'micro-noctuid' with a very wide distribution but only recently found in Europe. Michael Fibiger and David Agassiz (*Nota Lepidopterologica* 24 (1/2):29–35) reported that there were only 19 known specimens of *ephaea*, of which 5 were from Spain (3 Mallorca, 1 Cadiz province & 1 Barcelona province). Cala Medio Luna is a sandy beach in an extremely arid part of Spain. The most conspicuous plants are *Chamaerops humilis* (Dwarf Fan Palm), *Agave* and *Launaea arborescens*

(Compositae), a spiny bush with green photosynthesising branched stems and few if any leaves. Goats eat much of the vegetation that is not protected by these. The *ecphaea* came to MV light and rested with forewings and hindwings both conspicuously visible, rather like some *Idaea*, but with whitish forewings strongly contrasting with blackish hindwings, a combination not seen in *Idaea*.

(5) *Cryphia gea* Schawerda (Noctuidae) and *Tegostoma comparalis* Hb. (Pyralidae, Odontiinae) from Mini Hollywood, Almería, Spain, 11.vii.2001.

(6) *Cucullia dracunculi* Hb. (Noctuidae) from Pradales, Segovia, Spain, 15.vii.01.

(7) Unusual pale forms from Spain: *Malacosoma neustria* L., Puerto de Sta Barbara, Huesca, 28.vi.01, *Mythimna ferrago* F., Puerto de la Mora, Granada, 13.vii.2001.

KEMP, R.—'Mexican Monarchs', *Danaus plexippus* L.: Monarchs were collected, by kind permission of the warden, dead from the forest floor at the reserve at Sierra Chincua in Michoacan State, Mexico on 3.ii.2001. A diagrammatic sketch was shown of the Oyamel forests west of Mexico City where they overwinter from November to March. Both males and females vary in size, presumably due to differing larval development during the race to become adults in time for the remarkable 4000km migration from Canada and the northern USA to Mexico. Toxic cardiac glycosides obtained by larvae from *Asclepias* foodplants are concentrated in the wings. These wings are normally avoided by predators (small mammals and birds) in favour of abdomens or antennae. In any case only predators which have obtained immunity to the toxins can handle such prey. Due to differences in toxicity, Müllerian mimicry is at play.

MARTIN, G.—Sphingidae from Central Borneo, Indonesia: The specimens exhibited were collected as part of the Natural History Museum/Cambridge University expedition to central Borneo which took place during August 2001. The expedition was based at Project Barito Ulu Basecamp, which is about as far from any coast as is possible in Borneo. There are no specimens held in the BMNH collections from central Borneo. The material already held either comes from coastal areas of Borneo or from Sabah and Sarawak, all of which are much more accessible. All the specimens were taken at light with a standard 125 W MV bulb. Trapping was carried out in primary rainforest along dry riverbeds around basecamp. The following species were taken (nomenclature follows Kitching & Cadiou, *Hawkmoths of the world: an annotated and illustrated revisionary checklist*): *Daphnusa ocellaris* Wlkr, *Smerinthulus diehli* Hayes, *Callambulyx amanda* Rothschild & Jordan, *Ambulyx canescens* Wlkr, *A. moorei* Moore, *A. oblitterata* Rothschild, *A. pryri* Distant, *A. substrigilis* Westwood, *Amplypterus panopus* Cramer, *Meganoton nyctiphanes* Wlkr, *M. rubescens* Butler, *Psilogramma increta* Wlkr, *Megacorma obliqua* Wlkr, *Acherontia lachesis* F., *Eurypteryx alleni* Hogenes & Treadaway, *E. bhaga* Moore, *Daphnis hypothous* Cramer, *Eupanaera busiris* Wlkr, *E. elegantulus* H.-S., *E. hollowayi* Tennent, *E. malayana* Rothschild & Jordan, *E. psaltria* Jordan, *E. regularis* Butler, *E. variolosa* Wlkr, *Enpinanga borneensis* Butler, *Elibia dolichus* Westwood, *Acosmeryx anceus* Stoll, *A. shervillii* Bsdv., *Hippotion rosetta* Swinhoe, *Pergesa acteus* Cramer, *Theretra clotho* Drury, *T. latreillii* Macleay, *T. rhesus* Boisduval, *T. suffusa* Wlkr, *Cechenena aegrota* Butler & *C. helops* Wlkr.

DIPTERA

ALEXANDER, K.N.A.—A selection of the more interesting flies found during 2001: *Oxycera morrisii* Curtis (Stratiomyidae), Pendower Beach, E. Cornwall, SW896381, 11.vii; *O. pardalina* Meig. (Stratiomyidae), Halldale, Dove Valley, Staffs. (VC 39), SK134537, 19.vii, only modern record for area; *Thereva plebeja* (L.) (Therevidae),

Tissington Wood Pasture, Dovedale, Derbys. (VC 57), 17.vii; *Myopa extricata* Collin (Conopidae), Newent Park, W. Gloucs. (VC 34), pair *in copula*; *Herina longistylata* Rivosecchi (Ulidiidae), *Urophora spoliata* (Hal.) and *Terellia vectensis* (Collin) (Tephritidae), all from Glebe Cliff, Tintagel, E. Cornwall (VC 2), SX048883, 9.vii. A full account is given of the occurrence in Cornwall of the two latter species, both developing in saw-wort *Serratula tinctoria*, by K.N.A. Alexander (2002. *Dipterists Digest (Second Series)* 9: 17–18).

BOYCE, R.—Photographs of *Anomoia purmunda* (Harris) (Tephritidae), showing combative behaviour among males in his garden at Earley, Reading, Berks, SU763716, 5.viii.1999. Males were gathered in a group some 20 m from the host plant *Crataegus monogyna*; two males were engaged in a trial of strength while the others appeared to be taking an interest in what was going on and a series of challenges continued for some time.

CHANDLER, P.J.—Two species of Platypezidae new to Britain: *Microsania vrydaghi* Collart, a male collected by J.W. Ismay at Wytham Woods, Oxon, 2.viii.2001 at bonfire smoke; *Paraplatypeza bicincta* (Szilády), a female from West End Common, Esher, Surrey, 17.x.2001. Accounts of these species are given in consecutive papers by J.W. Ismay and P.J. Chandler respectively (2002. *Dipterists Digest (Second Series)* 9: 22 and 23–24). Only three species of this family had been added to the British list in the past 25 years, so the finding of two more in the same year as publication of the European revision (2001. *Fauna Entomologica Scandinavica* 36: 276 pp.) was surprising.

DICKSON, R.J.—Some hoverflies (Syrphidae) from S. Hants in 2001: *Criorhina berberina* (F.), Kites Croft, SU5206, 29.v at foot of an ash *Fraxinus* trunk, D.M. Appleton; *Orthonevra geniculata* (Meig.), Wickham Common, SU5810, 10.v; *Pipiza austriaca* Meig., Kites Croft, SU5206, 28.viii at *Angelica* flowers, D.M. Appleton; *P. lugubris* (F.), Wickham Common, SU5810, 17.viii at *Angelica* flowers; *Psilota anthracina* Meig., Hamble Common, SU4806, 19.vi, D.M. Appleton.

DRAKE, C.M.—Insects overwintering in a house loft at Burr ridge, Axminster, Devon. Four species of “cluster flies” mentioned by Oldroyd (1964. *The Natural History of Flies*) were exhibited from specimens collected in the loft of the exhibitor’s house. The clusters varied in size from small (about 5 cm across) to large masses up to about 30 cm across, often tucked up where the rafters met the roof. There were probably tens of thousands of flies altogether. *Musca autumnalis* De Geer (Muscidae) was by far the most abundant and there were a smaller proportion (although still large numbers) of *Eudasyphora cyarella* (Meig.) (Muscidae) and *Pollenia rudis* (F.) (Calliphoridae). Both sexes of these species occurred in about equal proportions. *Thaumatomyia notata* (Meig.) (Chloropidae) was also abundant but much less conspicuous and a small sample consisted of females only. Occasional females of *Hydrotaea albipuncta* (Zett.) (Muscidae) were mixed with these. The “cluster flies” were usually focused on a central individual, around which the others faced, producing an attractive radiating pattern of wings, and left no room between each other. All species clustered together and did not segregate by species, although individuals of *P. rudis* often sat alone. *Culex pipiens* L. (Culicidae) and *Chrysopa carnea* (Stephens) (Neuroptera, Chrysopidae) also overwintered in the house.

GODFREY, A.—A selection of uncommon Diptera found in 2000 and 2001: *Ormosia fascipennis* (Zett.) (Limoniidae), two females swept at Coire Brochain, Mar Lodge Estate, Aberdeenshire, 4.vii.00—this species was new to Britain from specimens collected in water traps on the south-facing slope of Coire Brochain in 1986; *Lipsothrix nigristigma* Edwards (Limoniidae), reared from wet logs in a stream, Mercyfield Wood, Blackburn, Lancs, emerged 15.v and 31.v.01—Blackburn is the type locality

and this was the first Lancs record since the original description in 1924; *Xylophagus cinctus* (De Geer) (Xylophagidae), from two sites in Aberdeenshire, Linn of Dee, 18.vi.00 and Glen Quoich birchwood (with pine), 19.vi.00, the only other recent records being from Rothiemurchus, Inv.; *Haematopota bigoti* Gobert (Tabanidae), Frampton Marsh, Lincs, 4.viii.00; *Spiriverpa lunulata* (Zett.) (Therevidae), reared from river shingle at the River Dee/Quoich Water confluence, 23.vi.01 and Quoich Water, 1.vii.01, both near Braemar, Aberdeenshire, possibly the first rearing records; *Thereva handlirschi* Kröber (Therevidae), male reared from river shingle at the River Dee/Quoich Water confluence, 30.vi.00, apparently the first rearing record; *T. inornata* Verrall (Therevidae), from birch and pine woodland at Doire Bhraghad, Braemar, Aberdeenshire, 22.viii.00; *T. valida* Loew (Therevidae), from a Malaise trap in pine woodland, Upper Quoich, Aberdeenshire, 21.viii.01; *Laphria flava* (L.) (Asilidae), Glen Quoich birchwood (with pine), 21.viii.00; *Heleodromia irwini* Wagner (Empididae), Glen Derry, Braemar, Aberdeenshire, 27.vi.00; *Callicera rufa* Schummel (Syrphidae), from a Malaise trap at Dubh Ghleann pinewood, Braemar, Aberdeenshire, 23.ix.00; *Chamaesyrrhus scaevoides* (Fall.) (Syrphidae), from a Malaise trap at Dubh Ghleann pinewood, Braemar, Aberdeenshire, 23.ix.00; *Parochthiphila coronata* (Loew) (Chamaemyiidae), from the former Sharlston Colliery, Wakefield, W. Yorks, 4.vii.01, a species till recently known only from two coastal dune sites but being found increasingly on brownfield sites inland; *Heleomyza captiosa* (Gorodkov) (Heleomyzidae), reared from a rabbit hutch, Crofton, Wakefield, W. Yorks, ii.00; *Aphantosoma socium* Collin (Chyromyidae), from the former Sharlston Colliery, Wakefield, W. Yorks, 4.vii.01; *Ilythea nebulosa* Becker (Ephydriidae), a species new to Britain swept from soft rock cliffs at Musselwick, Pems, 10.ix.01; *Conisternum tinctinerve* Becker (Scathophagidae), from a Malaise trap at Dubh Ghleann pinewood, Braemar, Aberdeenshire, 23.ix.00; *Ernoneura argus* (Zett.) (Scathophagidae), Loch Etchachan, Braemar, Aberdeenshire, 29.vi.00; *Orchista costata* (Meig.) (Muscidae), Pwll Penarth, Newtown, Montgomeryshire, 28.vii.00, the second inland record of a species usually recorded from soft rock cliff sites; *Spilogona alpica* (Zett.) (Muscidae), Coire Brochain, Braemar, Aberdeenshire, 4.vii.00; *Cephenemyia auribarbis* (Meig.) (Oestridae), from the River Dee, Braemar, Aberdeenshire, 12.vi.00; *Hypoderma diana* Brauer (Oestridae), Doire Bhraghad, Braemar, Aberdeenshire, 17.vi.01.

HALSTEAD, A.J.—Some Diptera taken in 2001: *Thereva bipunctata* Meig. (Therevidae), swept in former gravel pit, Papercourt Marshes, near Ripley, Surrey, TQ038563, 1.ix; *Eutolmus rufibarbis* (Meig.) (Asilidae), riverbank wildlife area at RHS Garden, Wisley, Surrey, TQ063591, 15.viii; *Cheilosia grossa* (Fall.) (Syrphidae), on a dock *Rumex* leaf, riverbank wildlife area at RHS Garden, Wisley, Surrey, TQ063591, 30.iii; *Conops strigatus* Wied. (Conopidae), at wild *Mentha* flower, riverbank wildlife area at RHS Garden, Wisley, Surrey, TQ063591, 10.viii; *Thecophora fulvipes* (R.-D.) (Conopidae), Breney Common, Cornwall, SX054608, 8.vii; *Acanthiophilus helianthi* (Rossi) (Tephritidae), swept in coastal meadow, Peppercombe, N. Devon, SS382242, 13.vii; *Ornithomyia avicularia* (L.) (Hippoboscidae), Knaphill, Woking, Surrey, SU964587, on the collector's arm, 20.viii, with phoretic feather lice (Mallophaga) clinging to the rear end of the fly; *Calliphora vomitoria* (L.) (Calliphoridae), found dead on a grass blade; it had been killed by the fungus *Pandora calliphorae* (Giard) Humber (det. by Dr C. Prior), riverbank wildlife area at RHS Garden, Wisley, Surrey, TQ063591, 17.x; *Carcehia atricosta* Herting (Tachinidae), in MV trap, riverbank wildlife area at RHS Garden, Wisley, Surrey, TQ063591, 20–21.viii; *Lophosia fasciata* Meig. (Tachinidae), at hogweed flowers by bank of River Wey at RHS Garden, Wisley, Surrey, TQ064590, 26.vii.

HAWKINS, R.D.—(1) *Subclytia rotundiventris* (Fall.) (Tachinidae), reared from a Birch Shieldbug *Elasmostethus interstinctus* (L.) (Hemiptera, Acanthosomatidae), found on birch *Betula* near Addington, Surrey, 24.ix.01; there was a white egg under the end of the bug's abdomen, but the parasitic larva must have already been active, for the bug had died by 9.x and the parasite had emerged and pupated, the adult emerging 22.x.01.

(2) *Ceriana vespiformis* (Latreille) (Syrphidae), an unusual hoverfly from Montpellier, southern France, 23.viii.2001, resembling a small *Doros* or even a conopid fly, but the antennae are mounted on a long stalk.

HODGE, P.J.—Nine species of Diptera from southern England and Wales in 2000 and 2001: *Stilpon lunatus* (Hal.) (Hybotidae), Mengham Rythe Sailing Club, Hayling Island, S. Hants, SZ736992, 4.ix.00, abundant in a suction sample in coastal grassland, new VC record; *Empis decora* Meig. (Empididae), Green Lane, Ringmer, E. Sussex, TQ465142, 3.vi.01, swept from flowery roadside, and near Tide Mills, Newhaven, E. Sussex, TQ456004, 12.vi.01, swept off buttercup *Ranunculus* flowers in meadow bordering north side of Mill Creek; *Dolichopus signifer* Hal. (Dolichopodidae), Mill Pond Marsh, Sidlesham, SZ859972, 4.vi.01, swept in coastal marsh, new V.C. record; *Chrysotoxum elegans* Loew (Syrphidae), Caswell Bay, Glam., SS59608751, 29.viii.01, flying along cliff-top path; *Noeeta pupillata* (Fall.) (Tephritidae), Chalk Wood, Bexley, W. Kent, TQ497711, 3.vi.01, female swept in grassy clearing; *Acinia corniculata* (Zett.) (Tephritidae), St Dunstan's Farm, Heathfield, E. Sussex, TQ608192, and Bedelands Farm LNR, Burgess Hill, E. Sussex, TQ321211, 10.vii.01, swept off *Centaurea nigra* in unimproved meadows; *Oxyina flavipennis* (Loew) (Tephritidae), Bedelands Farm LNR, Burgess Hill, E. Sussex, TQ321211, 10.vii.01, swept off yarrow *Achillea millefolium* in unimproved meadow; *Chetostoma curvinerve* Rond. (Tephritidae), Dell's Piece West, Horndean, S. Hants, SU700126, 16.viii.01, female swept off oak *Quercus*; *Gymnosoma nitens* Meig. (Tachinidae), Littlebrook Nature Park, Dartford, W. Kent, TQ555761, 21.vii.00, settled on bare ground in sparsely vegetated grassland.

MCLEAN, I.F.G.—Records of two intertidal Chironomidae from Scotland: *Chunio marinus* Hal. and *Thalassomyia frauenfeldi* Schiner. A full account of this exhibit is given by I.F.G. McLean (2001. *Dipterists Digest (Second Series)* 8: 128).

MILES, S.R.—An exhibit to demonstrate progress in the BENHS Conservation Group, Heathland Flies Biodiversity Project in 2001. Working together with Dr J. Muggleton in the 2000 field season, a new technique for marking the location of potential hymenopterous hosts was devised. This involved the use of specially manufactured solid brass markers and a discriminating metal detector. This method enabled three active nest holes of the solitary wasp *Anmophila pubescens* Curtis to be marked in July and August 2000 and then to be excavated in March 2001 when the wasps were at the cocoon stage. Two cocoons were exhibited: one from which an adult *A. pubescens* emerged in July 2001 had a neatly excised cap, bitten through by the wasp as it emerged from beneath the soil; the other was a cocoon from which the active pupa of the ectoparasitoid (?) *Thyridanthrax fenestratus* (Fall.) (Bombyliidae) had emerged. Emergence of the fly pupa had taken place under the soil, the pupa probably boring itself out of the *Anmophila* cocoon and subsequently the soil using the "crown of thorns" on top of the head capsule while the wasp cocoon remained under the soil. The fly pupa and emergent adults of both species were also exhibited. It had yet to be assessed whether a larval or prepupal skin of the fly remained inside the wasp cocoon. Progress with *Bombylius minor* (L.) (Bombyliidae) had been more difficult; although it had been found egg-flicking quite readily in all sorts of dark

cavities in vertical or sloping sandy surfaces, it had not yet been possible to associate it with any particular host.

PARKER, M.J.—Some rare and local species found in Dorset, Cornwall and Scotland in 2001: *Tabanus sudeticus* Zeller (Tabanidae), male on window pane at St Joseph's School, Launceston, Cornwall, SX328860, 10.vii; *Acrocera orbiculus* (F.) (Acroceridae), female swept from vegetation at Winfrith Heath, Dorset, SY808874, 20.viii; *Villa modesta* (Meig.) (Bombyliidae), male basking on bare sand at Penhale sand dunes, Cornwall, SW773565, 13.vii; *Spiriverpa lunulata* (Zett.) (Therevidae), male swept from riverside vegetation adjacent to shingle beds on River Nairn at Howford, Nairnshire, NH8753, 20.vi; *Pamponerus germanicus* (L.) (Asilidae), female swept from grassy sand dune at Culbin Forest, Nairnshire, NJ0064, 23.vi; *Meligramma trianguliferum* (Zett.), female at *Euphorbia amygdaloides* at Oakers Wood, Dorset, SY8091, 13.v; *Orthonevra geniculata* (Meig.), male and female swept from *Salix* catkins at Throop Heath, Dorset, SY822917, 19.iv; *Platycheirus europaeus* Goeldlin de Tiefenau, Maibach & Speight (Syrphidae), male from meadow adjacent to Raasay Forest, Isle of Raasay, NG556362, 26.vi; and female from meadow at Grantown-on-Spey, Morayshire, NJ027264, 18.vi; *P. melanopsis* Loew (Syrphidae), male at *Caltha palustris* flowers at Coire an lochain, 910 m, Cairngorm, Inv., NH981030, 22.vi; *P. perpallidus* Verrall (Syrphidae), male and female swept from poolside vegetation on heathland near Dava, Nairnshire, NH9939, 18.vi; *P. podagratus* (Zett.) (Syrphidae), male swept from meadow near Brae, NG562416, Isle of Raasay, 26.vi; *Sphagina sibirica* Stackelberg (Syrphidae), swept in numbers from a flowery clearing adjacent to Glen Brittle picnic area, NG424264, Isle of Skye, 29.vi.

PERRY, I.—A selection of uncommon Diptera found in 2001: *Hybomitra ciureai* (Séguy) (Tabanidae), Walberswick NNR, Suffolk, 2.vii; *Stratiomys longicornis* (Scop.) (Stratiomyidae), Walberswick NNR, Suffolk, 12.vi; *Chersodromia cursitans* (Zett.) (Hybotidae), Walberswick NNR, Suffolk, 26.vi, running over damp shingle; *Dolichopus signifer* Hal. (Dolichopodidae), Walberswick NNR, Suffolk, 26.vi; *Brachyopa bicolor* (Fall.) (Syrphidae), Wimpole Hall, Cambs, 23.v, flying around beech *Fagus* tree with small sap run; *Mallota cimbiciformis* (Fall.) (Syrphidae), Wimpole Hall, Cambs, 19.vi on *Rubus* flowers; *Pocota personata* (Harris) (Syrphidae), Wimpole Hall, Cambs, emerged 30.iii, from larva found in a rot hole of a fallen ash *Fraxinus*, 19.xii.2000; *Sphaerophoria potentillae* Claussen (Syrphidae), Retire Common, Cornwall, 8.vii, swept from wet heath, first record for Cornwall; *Anticheta obliviosa* Enderlein (Sciomyzidae), Wicken Fen, Cambs, 26.v; *Tethina incisuralis* (Macq.) (Tethinidae), Cubert Common, Cornwall, 10.vii, swept from low dunes in coastal cove; *Eurina lurida* Meig. (Chloropidae), Snettisham Coastal Park, Norfolk, 11.vi, swept from ditch containing its foodplant *Bolboschoenus maritimus*; *Chirosia aberrans* Collin (Anthomyiidae), Wicken Fen, Cambs, 26.v, swept from an area of scrub containing the Marsh Fern *Thelypteris palustris*.

STUBBS, A.E.—*Tipula serrulifera* Alexander (Tipulidae), a male from Aversley Wood, Sawtry, Hunts, 3.x.2001, the fifth British record. It had last been taken live in Scotland at Pentlands, Midlothian by Sir Arthur Duncan on 24.viii.1945, although in the late 1970s it was also taken in pitfall traps on moorland in Yorkshire and Durham. A distribution map was displayed.

COLEOPTERA

ALEXANDER, K.N.A.—A selection of the more interesting and locally rare beetles found during 2001: *Lebia chlorocephala* (Hoffmannsegg) (Carabidae), Beeston Tor,

Staffordshire, SK105541, 27.vii.2001; *Pyropterus nigroruber* (De Geer) (Lycidae), Hill Wood, Stanton, Derbyshire, SK253629, 30.vii.2001; *Phlotophilus edwardsii* Stephens (Phlotiophilidae), Shugborough Hall Estate, Staffordshire, SK000220, 20.ix.2001; *Phytoecia cylindrica* (L.) (Cerambycidae), Bisley Road Cemetery, Stroud, East Gloucestershire, SO863048, 20.v.2001; *Cassida prasina* Illiger (Chrysomelidae), Bisley Road Cemetery, Stroud, East Gloucestershire, SO863048, 20.v.2001; *Rhynchites caeruleus* (De Geer) (Attelabidae), Gamage Court Orchards, West Gloucestershire, SO749160, off apple trees, 6.x.2001; *Larinus planus* (Fab.) (Curculionidae), Bisley Road Cemetery, Stroud, East Gloucestershire, SO863048, 20.v.2001; *Limobius borealis* (Paykull) (Curculionidae), Miller's Dale, Derbyshire, SK153732, 2.viii.2001; *Curculio betulae* (Stephens) (Curculionidae), Cadsonbury Woods, East Cornwall, SX345670, 13.vii.2001; *Gymnetron beccabungae* (L.) (Curculionidae), Rack Isle, Bibury, East Gloucestershire, SP115067, off marsh speedwell, 1.vii.2001, a new vice-county record.

ALLEN, A.J.W.—*Trechus subnotatus* Dejean (Carabidae), Paignton, Devon, one under stone behind Safeway supermarket, 12.iv.2000; A. Allen is grateful to J. Owen for showing him the site; *Thalassophilus longicornis* (Sturm) (Carabidae), Dungeness, Kent, one by pushing gravel into a long-established pit, 18.v.2001, not previously recorded from southeast England; *Bembidion monticola* Sturm (Carabidae), North House Burn, Roxburghshire, one under stone at edge of burn, 24.viii.2001; *Perigona nigriceps* (Dejean) (Carabidae), Wimborne St Giles, Dorset, 13.x.2000, also recorded from several dung heaps and piles of hay or straw in the Fordingbridge area, South Hampshire, and in east Dorset and South Wiltshire; *Anisodactylus nemorivagus* (Duftschmid) (Carabidae), Bovington, Dorset, two under stones on army ranges, 1.vi.2001; *Acupalpus brunnipes* (Sturm) (Carabidae), Shell Bay, Dorset, a number on various dates among litter at edge of small pond on beach and on banks of stream leading to it, iv–v.2001; *Acupalpus flavicollis* (Sturm) (Carabidae), Littlebourne, Kent, 15.v.1994; *Stenolophus teutonius* (Schrank) (Carabidae), Dungeness, Kent, a number under stones in sandy area close to a pit, 18.viii.2001, apparently a new county record; *Pseudopsis sulcata* Newman (Staphylinidae), Cranborne, Dorset, in open barn filled with straw bales, 12.xi.1999; *Rugilus fragilis* (Gravenhorst) (Staphylinidae), Cranborne, Dorset, in open barn filled with straw bales, 12.xi.1999; *Lomechusa paradoxa* Gravenhorst (Staphylinidae), Eype, Dorset, one running on bare sand, 16.iv.2001, apparently a new county record; *Atomaria punctithorax* Reitter (Cryptophagidae), Cranborne, Dorset, in open barn filled with straw bales, 12.xi.1999, identified by C. Johnson and a new county record; *Mycetophagus quadriguttatus* Müller (Mycetophagidae), Cranborne, Dorset, in open barn filled with straw bales, 12.xi.1999, a new county record; *Tetratoma desmarestii* Latreille (Tetratomidae), Linwood, South Hampshire, several on oak boughs covered in a pink encrusting fungus, 16.x.2000.

BARCLAY, M.V.L.—A woodworm beetle new to Britain. *Priobium carpini* (Herbst) (Anobiidae), specimens collected in sticky traps in the Cryptogamic Herbarium and the Entomology Department, The Natural History Museum, and also in a residential building in South Kensington, London, vii.2001. This is a scarce anobiid in central and northern Europe, and is associated with dry timber of coniferous or deciduous trees, although its breeding source in London is still unknown. *Thylodrias contractus* Motschulsky (Dermestidae), The Natural History Museum, London, males on sticky traps, vii–viii.2001; *Chrysolina americana* (L.) (Chrysomelidae), Barnes, London, Surrey, TQ2277, from a garden wall, 10.x.2001; *Otiorthynchus armadillo* (Rossi) (Curculionidae), Chelsea Harbour, London, Middlesex, TQ28, nine specimens, some *in cop.*, from railway bridge overhung with ivy, 27.viii.2001, also collected there at

the same time by A.D. Esin; this species is a minor pest of horticulture in parts of Europe and has possibly been introduced into Britain with ornamental plants as examples have also been seen from Cardiff and Edinburgh.

BOOTH, R.G.—A selection of rare or notable species identified during 2001. *Pogonus luridipennis* (Germar) (Carabidae), Salthouse, East Norfolk, TG0744, a single female found on the muddy edge of a brackish pool, together with several examples of both other *Pogonus* species, 31.vii.2001; *Harpalus froelichii* Sturm (Carabidae), Wangford, West Suffolk, TL756836, in pitfall trap at base of small pine tree, 28.vii.–4.viii.2001; *Microlestes minutulus* (Goeze) (Carabidae), Newhaven, East Sussex, TQ4500, three found by grubbing among small stones and sparse vegetation, 7.vii.2001; *Onthophilus punctatus* (Müller) (Histeridae), Hilborough, West Norfolk, TL8099, one female in a pitfall trap in cereal field, 18.v.2000; *Agathidium marginatum* Sturm (Leiodidae), Harnhill, East Gloucestershire, SP0700, two in pitfall traps in field, 14.vii and 23.ix.1999; *Ptomaphagus varicornis* (Rosenhauer) (Leiodidae), Bacombe Hill, Wendover, Buckinghamshire, SP8607, one female in a suction sample from a grassland and scrub site, 27.viii.1999, and Hilborough, West Norfolk, TL8099, one male in a pitfall trap in cereal field, 18.v.2000, a new county record; *Nicrophorus vestigator* Herschel (Silphidae), Hilborough, West Norfolk, TL8099 and TF8100, two males in pitfall traps in cereal fields, 18.v.2000; *Anotylus hamatus* (Fairmaire & Laboulbène) (Staphylinidae), Hackbridge, Surrey, TQ282660, one male in a small flight interception trap in the garden, 15–28.iv.2001; *Lathrobium fennicum* Renkonen, Hickling Broad, East Norfolk, TG4221, one female from the vegetated edge of a small pond, 2.viii.2001, a new county record and a considerable extension of its current British distribution (females of *L. fennicum* possess a strongly convex, boat-shaped, genital tergite which separates them readily from the otherwise similar *L. quadratum* (Paykull) in which the genital tergite is oval and more or less flat); *Lathrobium pallidum* von Nordmann (Staphylinidae), Harnhill, East Gloucestershire, SP0700, one female in pitfall trap in field, 26.ix.2000; *Lathrobium ripicola* Czwalina (Staphylinidae), Broadnymett, Bow, North Devon, SS698014, in pitfall traps in cereal field, 1.vi.2000; *Heterothops dissimilis* (Gravenhorst), Hilborough, West Norfolk, TL8099, one male in a pitfall trap in cereal field, 17.v.2000; *Brachida exigua* (Heer) (Staphylinidae), Whinless Down, Dover, East Kent, TR28/2941, one female in a suction sample from a grassland and scrub site, 13.v.1999, a second modern Kent site; *Falagria concinna* Erichson (Staphylinidae), Epsom Common, Surrey, TQ1860, one male under a freshly cut section of oak trunk, 24.vi.2001; *Atheta puberula* (Sharp) (Staphylinidae), Harnhill, East Gloucestershire, SP0700, in pitfall traps in field, 26.ix.2000, a new county record; *Ilyobates nigricollis* (Paykull) (Staphylinidae), Holmwood Common, Surrey, TQ173462, one female sieved from bracken litter in open oak woodland, 5.vi.2001; *Oxyropa exoleta* Erichson (Staphylinidae), Hilborough, West Norfolk, TL8099, in suction sample from cereal field, 15.vi.2000; *Athous campyloides* Newman (Elateridae), Hackbridge, Surrey, TQ282660, 27 males and 2 females in a small flight interception trap in the garden, 10.vi.–22.vii.2001; *Anisoxya fuscula* (Illiger) (Melandryidae), Harnhill, East Gloucestershire, SP0700, one in pitfall trap in field, 14.vii.1999; *Mordellistena pseudoparvula* Ermisch (Mordellidae), Newhaven, East Sussex, TQ4500, one female found by grubbing among small stones and sparse vegetation, 7.vii.2001; *Mordellistena neuwaldeggiana* (Panzer) (Mordellidae), Broyle Side, East Sussex, TQ4714, one female beaten from old hawthorn hedge, 7.vii.2001; *Curculio betulae* (Stephens) (Curculionidae), Hickling Broad, East Norfolk, TG4221, a pair beaten from alders, 2.viii.2001.

Separating females of three common species of *Lathrobium* (Staphylinidae). *Lathrobium fulvipenne* (Gravenhorst), *L. geminum* Kraatz and *L. elongatum* (L.) are three common species which are very difficult to separate using the published external key characters. Males are readily separated by their genitalia. Although no details of the female identification characters appear to have been published, they are readily separable using sternite 8 and the genital tergites. Female sternite 8 rounded in *L. fulvipenne*, truncate in *L. geminum* and *L. elongatum*; female genital tergites with small excision in *L. fulvipenne*, medium in *L. geminum* and large in *L. elongatum*.

BOWDREY, J.P.—Some notable Coleoptera from north-east Essex (vice-county 19). *Platyderus ruficollis* (Marsham) (Carabidae), Thorpe-le-Soken, TM173229, under brick in garden, 4.xi.2001; *Staphylinus nero* Faldermann (Staphylinidae), Weeleyhall Wood, Weeley, TM1621, under rotten *Fagus* log, 3.xi.2001, possibly first Essex record for over 100 years; *Ptinomorphus imperialis* (L.) (Anobiidae), Thorpe-le-Soken, TM173229, flying in evening sunshine in garden near *Crataegus* hedge, 13.vi.2001; *Diaperis boleti* (L.) (Tenebrionidae), Cockayne's Wood, Alresford, TM058218, in *Piptoporus betulinus*, 12.x.2001, possibly new to Essex; *Cassida nobilis* Linnaeus (Chrysomelidae), Clacton-on-Sea, TM1915, under stone on cliff slope, 10.iii.2001; *Polydrusus pulchellus* Stephens (Curculionidae), Thorpe-le-Soken, TM2222, sweeping vegetation on sea wall, 9.vi.2001; *Sibinia arenariae* Stephens (Curculionidae), Thorpe-le-Soken, TM2222, under *Spergularia* on sea wall, 9.vi.2001.

COLE, S.G.—A weevil new to Britain. *Otiorynchus salicicola* (Heyden) (Curculionidae), Victoria, London, TQ28, one found dead in Government buildings, xii.2000, and a further six collected on and around the building's roof garden up to October 2001, exhibited on S. Cole's behalf by M. Barclay. This European species has also been introduced into Sweden with ornamental plants. Ornamental plants may also be the source of the present colony.

COLLIER, M.J.—Some notable beetles taken in Norfolk during 2000 and 2001. *Omophron limbatum* (Fabricius) (Carabidae), Cranwich Pits (a series of privately owned, recently disused, flooded sand and gravel pits), many examples after splashing sandy banks of flooded pit, 20.viii.2001, a new county record and the first British record away from the well-known south coast sites in Sussex and Kent; *Bembidion obliquum* Sturm (Carabidae), Cranwich Pits, 26.viii.2001; *Dromius longiceps* Dejean (Carabidae), Snettisham, 4.vi.2000; *Gyrinus urinator* Illiger, Cranwich Pits, in a small puddle, 13.x.2001, apparently a new county record; *Leiodes strigipenne* Daffner (det. J. Cooter), *Triarthron maerkeli* Märkel and *Agathidium confusum* Brisout (Leiodidae), Thursford Wood, flight interception trap, 5.vi.–15.vii.2000; *Leiodes lucens* (Fairmaire), Thursford Wood, flight interception trap, 15.vii.–20.viii.2000; *Gnathoncus buyssoni* Auzat (Histeridae), Stanford Principal Training Area, extracted from kestrel nest debris, 11.vi.2000; *Carpelimus lindrothii* Palm (Staphylinidae), Cranwich Pits, 20.viii.2001; *Haploglossa marginalis* (Gravenhorst) (Staphylinidae), Stanford PTA, extracted from kestrel nest debris, 11.vi.2000, apparently a new county record; *Heterocerus hispidulus* Kiesenwetter (Heteroceridae) (det. G.N. Foster), Cranwich Pits, 20.viii.2001, a new county record; *Hyperaspis pseudopustulata* Mulsant, Titchwell, 4.vi.2000; *Hippodamia variegata* (Goeze) (Coccinellidae), Cranwich Pits, 20.viii.2001; *Lycoperdina bovistae* (Fabricius) (Endomychidae), Spring Covert, Diddlington, in small puffball fungus on sandy forest ride, 26.viii.2001; *Corticarina truncatella* (Mannerheim) (Latridiidae), Snettisham, 4.vi.2000; *Cassida nebulosa* L. (Chrysomelidae), Cranwich Pits, 20.viii.2001; *Hypera fuscocinerea* (Marsham) (Curculionidae), Snettisham, 4.vi.2000;

Ips sexdentatus (Boerner) (Curculionidae), Spring Covert, Didlington, abundant under bark, pile of logs in conifer plantation, 26.viii.2001, apparently a new county record.

GIBBS, D.J.—Some scarce Coleoptera found in 2001. *Trachys troglodytes* Gyllenhal (Buprestidae), Tucking Mill, North Somerset, ST7661, 2.vii.2001; *Dasytes plumbeus* (Müller) (Melyridae), Collard Hill, North Somerset, ST4834, 20.vi.2001; *Meligethes nanus* Erichson (Nitidulidae), Wavering Down, North Somerset, ST4055, on white horehound, 15.vii.2001, a new county record; *Stenostola dubia* (Laicharting) (Cerambycidae), Weston Big Wood, North Somerset, ST4574, 25.v.2001; *Cryptocephalus bilineatus* (L.) (Chrysomelidae), Collard Hill, North Somerset, ST4834, 26.vii.2001; *Dieckmanniellus gracilis* (Redtenbacher) (Apionidae), Stokeford Heath, Dorset, SY8788, 5.vi.2001; *Strophosoma fulvicorne* Walton (Curculionidae), Stokeford Heath, Dorset, SY8788, 20.v.2001; *Polydrusus splendidus* (Herbst) (Curculionidae), Tickenham Hill, North Somerset, ST4472, 26.vi.2001; *Rhinocyllus conicus* (Frölich) (Curculionidae), Purn Hill, North Somerset, ST3357, 24.v.2001, Walton Heath, North Somerset, ST4634, 26.vii.2001 and Stokeford Heath, Dorset, SY8788, 6.vii.2001.

HACKETT, D.S.—One species new to Britain. *Scymnus rubromaculatus* (Goeze) (Coccinellidae), Lower Lee, Stratford, London, several individuals swept from undistinguished dry canal-side vegetation, 20.vii.2000; the species is widespread in Europe and inhabits dry, warm grassy places so one might expect it to be able to spread easily in Britain; it was named by Roger Booth.

Other Coleoptera from in and around London. *Amara consularis* (Duftschmid) (Carabidae), Stratford, London, on clay subsoil embankment colonised by ruderal vegetation, 15.vi.2000; *Polistichus connexus* (Fourcroy) (Carabidae), London, in pitfall trap on wet clay infill of a former course of Channelsea river, 26.x.2000; *Agrius viridis* (L.) (Buprestidae), Epsom Common, Surrey, an adult trapped in its pupal chamber in sallow log showing larval mines and D-shaped adult emergence holes, 23.ix.2001; *Axinotarsus pulicarius* (Fabricius) (Melyridae), Lower Lee area, London, a single female swept from rough herbage on a canal-side, 20.vii.2000, apparently the first British record since 1923; a female specimen of *A. marginalis* (Laporte) was also shown for comparison; *Liparus coronatus* (Goeze) (Curculionidae), Stratford, London, 21.ix.2000.

HAWKINS, R.D.—*Hylecoetus dermestoides* (L.) (Lymexylidae), Chilworth, Surrey, in woodland by the River Tillingbourne, 10.v.2001; in flight it resembles a soldier beetle (Cantharidae), but the body is longer. Some beetles found on sandy soil at St Martha's Hill, near Guildford, Surrey, 10.v.2001; *Panagaeus bipustulatus* (Fabricius) (Carabidae), which also occurs on chalk; *Oiceoptoma thoracica* (L.) (Silphidae); *Athous subfuscus* (Müller) (Elateridae), now rather common in a restricted area of west and central Surrey; *Melanimon tibialis* (Fab.) (Tenebrionidae) and *Gronops lunatus* (Fab.) (Curculionidae).

HODGE, P.J.—Coleoptera found at various locations in southern Britain during 2000 and 2001, including three species of weevils new to Wales. *Microlestes minutulus* (Goeze) (Carabidae), Newhaven, East Sussex, TQ454005, in suction sample, 12.vi.2001, new vice-county record; *Helophorus longitarsis* Wollaston (Hydrophilidae), Rotherfield Millennium Green, East Sussex, TQ55902976, in new clay-bottomed pond, 10.ix.2000; *Saprinus virescens* (Paykull) (Histeridae), Midhurst, West Sussex, SU890220, swept in meadow near River Rother, 2.v.2000, new vice-county record; *Medon castaneus* (Gravenhorst) (Staphylinidae), Midhurst, West Sussex, SU888219, swept in meadow by River Rother, 2.v.2000, new vice-county record; *Cardiophorus vestigialis* Erichson (Elateridae), Dinas Fawr, Pembroke, SM814232, beaten off nettles, 14.vi.2000; *Sphinginus lobatus* (Olivier)

(Melyridae), The Moors, Bishops Waltham, South Hampshire, SU561168, swept beneath oak, 15.vii.2001; *Laricobius erichsonii* Rosenhauer (Derodontidae), Bewl Water, East Sussex, TQ678339, beaten off pine by P. Bance, 17.iv.2001, new vice-county record; *Mordellistena parvula* (Gyllenhal) (Mordellidae), Pembroke: Caerbwdy Bay, SM768242, 11.vi.2000; Lower Treginnis, St David's, SM715236, 13.vi.2000; St David's Head, SM728276, 15.vi.2000 and Newgale, SM833229, 16.vi.2000; all in suction samples from cliff-top grassland; *Gracilia minuta* (Fab.) (Cerambycidae), Pagham Harbour, West Sussex, SZ856962, swept in rank coastal grassland, 21.vi.2001; *Cassida denticollis* Suffrian (Chrysomelidae), near Mayfield, East Sussex, TQ62, swept off yarrow *Achillea millefolium* on south-facing unimproved grassland bank, 31.v.2000; *Cathormiocerus maritimus* Rye (Curculionidae), Caerbwdy Bay, Pembroke, SM768242, in suction sample from cliff-top grassland, 11.vi.2000 and Overton Cliff, Glamorgan, SS45908478, in suction sample near rocky shore, 1.ix.2001, new to Wales; *Polydrusus marginatus* Stephens (Curculionidae), Chalk Wood, Bexley, West Kent, TQ497711, beaten off oak *Quercus*, 3.vi.2001; *Lixus scabricollis* Boheman (Curculionidae), Bendrick Rock, Barry, Glamorgan, ST134671, on sea beet *Beta vulgaris*, 28.viii.2001, new to Wales; *Magdalis memnonia* (Gyllenhal) (Curculionidae), Joyden's Wood, Bexley, West Kent, TQ499710, beaten off recently cut pine branches, 3.vi.2001; *Mogulones euphorbiae* (Brisout) (Curculionidae), Camber sand dunes, East Sussex, TQ94851854, in suction sample, 5.vi.2001, new vice-county record; *Microplontus triangulum* (Boheman) (Curculionidae), Lower Treginnis, St David's, Pembroke, SM715236, female in suction sample from cliff-top grassland, 13.vi.2000, new to Wales; *Isochnus populicola* (Silverberg) (Curculionidae), Staines, Middlesex, TQ023727, beaten off crack willow *Salix fragilis* growing in centre of M25 junction 13 roundabout, 1.viii.2000, new vice-county record.

JAMES, T.J.—Some Coleoptera from Hertfordshire, mostly new to the county. *Elodes marginata* (Fabricius) (Scirtidae), Ashwell Quarry, TL23, swept in chalk grass/scrub, 6.vii.1997; *Aulonothroscus brevicollis* (de Bonvouloir) (Throscidae), Hatfield, TL20, from former wood pasture, 5.vii.1998; *Laricobius erichsonii* Rosenhauer (Derodontidae), Bramfield Woods, TL21, swept in ride, 13.v.2000; *Anobium inexpectatum* Lohse (Anobiidae), Barnsleys Wood, Bramfield, TL21, from ivy, ix.1995; *Sphinginus lobatus* (Olivier) (Melyridae), Merry Hill, Bushey, TQ19, on field oak, 11.vii.1996; *Troglops cephalotes* (Olivier) (Melyridae), Green End, Braughing, TL32, in night light (per R. Thompson), 1993; *Carpophilus marginellus* Motschulsky (Nitidulidae), Ashwell, TL23, in house, 7.vii.1989; *Triplax russica* (L.) (Erotylidae), Gobions Wood, Brookmans Park, TL20, in fungus, 2.vii.1995; *Olibrus affinis* (Sturm) (Phalacridae), Frogmore Gravel Pit, Aston, TL22, 19.v.2000; *Orthoperus mundus* Matthews (Corylophidae), by Barnsleys Wood, Bramfield, TL21, under bark of burnt oak, 2.viii.1997; *Enicmus brevicornis* (Mannerheim) (Latridiidae), The Commons, Welwyn Garden City, TL21, collected by R.W.J. Uffen under sycamore bark, 1996; *Corticaria serrata* (Paykull) (Latridiidae), Ashwell, TL23, dead in strip light, 27.viii.1995; *Mycetophagus populi* Fabricius (Mycetophagidae), Welwyn Garden City, TL21, from fungus on planted silver maple street tree (per C.M. James), 22.xi.1997; *Cicones undatus* Guérin-Méneville (Colydiidae), The Commons, Welwyn Garden City, TL21, collected by R.W.J. Uffen under sycamore bark, 1996; *Mycetochara humeralis* (Fab.) (Tenebrionidae), Hatfield, TL20, from former wood pasture, 5.vii.1998; *Abdera quadrifasciata* (Curtis) (Melandryidae), Hatfield, TL20, from former wood pasture, 5.vii.1998; *Longitarsus dorsalis* (Fab.) (Chrysomelidae), Frogmore Gravel Pit, Aston, TL22, swept from short grass, 19.v.2000; *Bruchela rufipes* (Olivier) (Urodontidae), Therfield Heath, TL34, in chalk grassland, 29.vii.1999.

JONES, R.A.—Hedgerow Theme exhibit: a selection of interesting species of old woods and hedgerows from Morden Cemetery, south-west London, Surrey. *Dorcus parallelipipedus* (L.) (Lucanidae), one dead at foot of large poplar, 10.ix.1998; *Agrilus sinuatus* (Olivier) (Buprestidae), beating dead hawthorn limbs, 15.vii.1998; *Ctesias serra* (Fab.) (Dermestidae), under bark of large poplar, 10.vi.1998, larvae under bark of huge old willows, 5.v.1998, and old poplars, 10.vi.1998 and 10.ix.1998; *Anobium inexpectatum* Lohse (Anobiidae), sweeping, 15.vii.1998; *Ochina pinoides* (Marsham) (Anobiidae), sweeping, 14.v.1998; *Dasytes plumbeus* (Müller) (Melyridae), sweeping, 10.vi.1998; *Dacne bipustulata* (L.) (Erotylidae), sweeping, 5.viii.1998; *Mycetophagus quadripustulatus* (Thunberg) (Mycetophagidae), fragments under bark of poplar, 10.vi.1998; *Lissodema quadripustulata* (Marsham) (Salpingidae), on dead part of old hawthorn trunk, 10.vi.1998; *Ischnomera cyanea* (Fab.) (Oedemeridae), several beating hawthorn blossom and resting on poplar trunks, 14.v.1998; *Pyrochroa serraticornis* (Scopoli) (Pyrochroidae), one resting on poplar leaf, 14.v.1998; *Tetrops praeustus* (L.) (Cerambycidae), sweeping, 14.v.1998; *Dorytomus ictor* (Herbst) (Curculionidae), several by sweeping under large poplar, 10.vi.1998 and 15.vii.1998; *Phloeophagus lignarius* (Marsham) (Curculionidae), on trunk of large poplar, 10.vi.1998; *Kissophagus hederæ* (Schmidt) (Curculionidae: Scolytinae), one beating ivy on large poplar, 14.v.1998.

KNILL-JONES, S.A.—*Colymbetes fuscus* (L.) (Dytiscidae), Freshwater, Isle of Wight, 27.x.2001.

MORRIS, M.G.—Four species of weevils (Curculionoidea) new to the fauna of the Canary Islands, not included in the *Elenco de los Coleópteros de las Islas Canarias: Catalogue of the Coleoptera of the Canary Islands* by Machado & Oromi (2000). *Stenopelmus rufinusus* Gyllenhal (Eirirhinidae), Ariñes, Gran Canaria, one beaten from Canary pine *Pinus canariensis* Chr. Sm., 19.iii.1994; this North American species is well established in Europe and its host, the water fern *Azolla filicoides* Lam., has also been introduced to Tenerife and Gran Canaria; *Sibinia arenariae* Stephens (Curculionidae), near Teguisse, Lanzarote, eight males and three females shaken from *Spergularia* sp., 12 and 15.ii.1995; *Sitona lepidus* Gyllenhal (Curculionidae), near Las Fuentes (Aguamansa area), Tenerife, two examples by general sweeping, 7.vi.1999, presumably recently introduced as a few examples have been taken in the area from 1995 onwards; *Hypolixus ?brachyrhinus* Boheman (Curculionidae), Puerto S. Nicolas, Gran Canaria, one specimen beaten from *Tamarix canariensis* Willd., 12.xi.1999; *Hypolixus* species are difficult to identify and the genus is in need of revision (R.T. Thompson, *pers. comm.*), but no other species has been recorded from the Canary Islands.

OWEN, J.A.—*Hister quadrimaculatus* Linnaeus (Histeridae), Gilkicker Point, South Hampshire, shaken from moss, 10.iv.2001, the specimen exhibited on behalf of David Appleton; *Eucommus duboisi* Méquignon (Scydmaenidae), Little Bookham, Surrey, in stable sweepings, 1.xii.1999; *Stenus fossulatus* Erichson (Staphylinidae), Kellwood, Cumbria, wet landslip on banks of River Irthing, 4.v.2000; previous records of this species have been from Castle Eden Dene, Durham; *Medon piceus* (Kraatz) (Staphylinidae), Bookham Common, Surrey, in underground trap at roots of old oak, vi.1999; *Clambus simsoni* Blackburn (Clambidae), Box Hill, Surrey, one of several specimens in old hay, 24.xi.1999; *Cybocephalus fodori* Endrödy-Younga (Nitidulidae: Cybocephalinae), Wimbledon Common, Surrey, crawling on tree trunk, 15.v.2000; *Dienerella argus* (Reitter) (Latridiidae), Lundy Island, North Devon, in hay in barn, 16.ix.1999.

PLANT, C. W.—*Oncomera femorata* (Fabricius) (Oedemeridae), Hexton Chalk Pit Nature Reserve, Hertfordshire, two males and one female attracted to mercury vapour lights, 21–22.vii.2001, a new county record.

HEMIPTERA

BROOKE, S.E.—A display of four species of *Deraeocoris* (Kbm) (Miridae) found in hedgerows in Bedfordshire: *D. ruber* (L.), common and widespread. *D. lutescens* (Schilling), arboreal but may be found in hedgerows. *D. olivaceus* (Fab.), Slip End, Bedfordshire, vii.1998, new to county; Chalton, Bedfordshire, 1998; records in 1999: Harpenden, Hertfordshire, Tingrith, Bedfordshire, Whipsnade, Bedfordshire, Enfield, Middlesex; records in 2000: Leighton Buzzard, Bedfordshire, Blows Downs, Bedfordshire, Bletchley, Buckinghamshire. *D. flavilinea* (Costa), Bletchley, Buckinghamshire, vi.2000, Toddington, Beds. vi.2000.

DICKSON, R.J.—Some bugs from South Hampshire (VC 11): *Eurydema oleracea* (L.) (Pentatomidae), Kites Croft, SU5206, 10.ix.2001, collected D. M. Appleton; *Orsillus depressus* (Mulsant & Rey) (Lygaeidae), Park Gate, SU5207, off *Cupressus*, 19.iv.2001, collected D.M. Appleton; *Cyphostellus tristriatus* (Fab.) (Acanthosomatidae), Park Gate, SU5207, off *Cupressus*, 18.iv.2001, collected D.M. Appleton; *Zicrona caerulea* (L.) (Pentatomidae), Kites Croft, SU5206, swept, 11.vi.2001, collected D.M. Appleton; *Metatropis rufescens* (H.-S.) Kites Croft, SU5206, on enchanter's nightshade *Circaea lutetiana*, 12.vi.2001, collected D.M. Appleton; *Tuponia carayoni* (Wagner) (Miridae), Hook Lake NR, SU4804, several beaten from Tamarisk, 26.viii.2001.

GIBBS, D.J.—*Nysius helveticus* (H.-S.) (Lygaeidae), RDB3, Stokeford Heath, Dorset, VC9, SY8788, 22.viii.2001; *Spathocera dahlmanni* (Schilling) (Coreidae), Notable A, Stokeford Heath, Dorset, VC9, SY8788, 4.vi.2001.

HODGE, P.J.—Four species of bugs found during 2000 and 2001. New vice-county records are prefixed with an asterisk (*). **Liorhyssus hyalinus* (Fab.) (Rhopalidae), E. Sussex, Rotherfield Millennium Green, TQ558296, 15.vii.2000, swept in flowery grassland; **Stictopleurus punctatonervosus* (Goeze) (Rhopalidae), E. Sussex, Mayfield, TQ62, 9.vii.2001, swept on south-west facing, unimproved grassland; *Trapezonotus ullrichi* (Fieber) (Lygaeidae), Pembroke, east of Caer Bwdy Bay near Trelerw, SM771241, 12.vi.2000, swept off cliff-top grassland; *Macrosteles cyane* (Boheman) (Cicadellidae), E. Sussex, St Dunstan's Farm, Heathfield, TQ608196, 13.ix.2000, swept off vegetation in pond containing broad-leaved pondweed *Potamogeton natans*, and on 24.vi.2001 in the same pond on floating leaves of *P. natans*.

NAU, B.S.—Exhibit of four species of *Micronecta* (Kirkaldy) (Corixidae). *M. poweri* (Douglas & Scott) and *M. scholtzi* (Scholtz) are common in southern Britain. *M. minutissima* (L.) had not been recorded since 1949, but several found in River Lea near Hoddesdon, Hertfordshire, 2001. *M. grisola* (Horvath), new to Britain, River Great Ouse, Bedfordshire, 2001.

HYMENOPTERA

ARCHER, M.E.—(a) Some British aculeate bees and wasps taken in 1999 and 2000. Tiphidae: *Methocha ichneumonides* Lat. vi.2000, Gentleshaw Common, Staffs. Sapygidae: *Sapyga clavicornis* (L.), v.2000, Pollington Quarry, E. Yorks. Pompilidae: *Priocnemis cordivalvata* Haupt, vii.2000, Cornelian Bay, N. Yorks. Sphecidae: *Ectenium sexcinctus* (F.), vii.99, Ross dunes, Northumb.; *Crossocerus distinguendus* (Morawitz), male, vii.2000, York Cemetery, a new record for Yorkshire; *C. binotatus*

Lepeletier & Brullé, vii.2000, SK624056, Leicester, Leics.; *Oxybelus mandibularis* Dahlbom and *O. argentatus* Curt., vii.99, Sandscale Haws, Cumbria; *Diodontus insidiosus* Spooner, vi.2000, Highgate Common, Staffs. Colletidae: *Hylaeus signatus* (Panz.), vii.99, Monk Bretton Priory, S. Yorks and vi.2000, York Cemetery, Yorks.; *Colletes halophilus* Verhoeff, viii.99, Welwick Saltmarsh, E. Yorks. Andrenidae: *Andrena tibialis* (Kirby), iv.99, Pollington Quarry, E. Yorks. Halictidae: *Lasioglossum quadrimotatum* (Kirby), iv.2000 and *Sphecodes rubicundus* von Hagens, vi.2000, Highgate Common, Staffs; *S. reticulatus* Thom., female, vi.99 and male viii.2000, new to Yorkshire at Pollington Quarry, E. Yorks. Anthophoridae: *Nomada signata* Jurine, v.2000, Gentleshaw Common, Staffs.

(b) Some aculeate bees and wasps from Austria, Crete, France, Italy and Slovenia. Vespidae–Polistinae: *Polistes nimphus* (Christ), female, v.98, Bellevue-de-Montagne, Auvergne, Haute-Loire, France and male, viii.93, nr Tousac, Dordogne, France; *P. sulcifer* Zimm., male and female, viii.92, Mala Lazna-Lokve, Trnovski, Nova Gorica, Slovenia. Vespidae–Eumeninae: *Eumenes pendunculatus* (Panz.), female v.98, Cambolle-Musigny, Côte d'Or, France, male v.98, Bellemecc-de-Montagne, Auvergne, Haute-Loire, France; *Leptochilus mimulus* Gusenleitner, male, iv.88, nr Mariyalos, Crete; *L. regulus* (de Saussure), female, viii.90, Chateaufneuf, Charente France; *L. tarsatus* (de Saussure), male and female, vi.99, Montecatini Alto, Tuscany, Italy; *Euodynerus quadrifasciatus* (F.), female, viii.90, Onesse-et-Lahaire, Landes, France; *Paradontodynerus ephippius* (Klug), female, vi.99, Montecatini Alto, Tuscany, Italy; *Discoelius dufourii* Lepeletier, female, viii.93, nr Tousac, Dordogne, France—this specimen was previously shown in error as *D. zonatus* at the October 1998 Exhibition. Sphecidae: *Miscophus bicolor* Jurine, male and female, and *Crossocerus exiguus* (V. d. Lind.), male, vii.2001, Stadl-Paura, Austria; *Oxybelus mucronatus* (F.), female, vii.2001, Schlögen, Austria; *Mellinus crabroneus* (Thunb.), female, vii.2001, Wesenufer, Austria; *Gorytes quinquecinctus* (F.) and *Cerceris quinquefasciata* (Panz.), vii.2001, Popping, Austria; *C. hortivaga* Kohl, vii.2001, Schlögen, Austria.

CHANDLER, J.M. & GALE, B.A.—Some examples of plant galls caused by cynipid wasps and other organisms. The exhibit also publicised the activities of the British Plant Gall Society and a forthcoming AIDGAP key to galls on British plants and fungi.

GIBBS, D.J.—Some scarce Hymenoptera found in 2001. Diprionidae: *Gilpinia virens* (Klug), 22.vi.01, Pine Wood, Berks, SU8365. Chrysididae: *Cleptes semiauratus* (L.), 5.vii.01, Avonmouth, Bristol, ST5379. Formicidae: *Tapinoma erraticum* (Lat.), 15.viii.01, Stokeford Heath, Dorset, SY8788; *Leptothorax interruptus* (Schenck), 6.ix.01, Stokeford Heath, Dorset, SY8788. Sphecidae: *Pemphredon morio* V. d. Lind., 26.vii.01, Collard Hill, Som., ST4834. Andrenidae: *Andrena alfkennella* Perkins, 17.viii.01, Bath, Som., ST7364; *A. hattorfiana* (F.), 16.vii.01, Tucking Mill, Som., ST7661; *A. nitidiuscula* Schenck, 28.vii.01, Bath, Som., ST7364. Colletidae: *Hylaeus cornutus* Curt., 28.vii.01, Bath, Som., ST7364. Halictidae: *Lasioglossum puncticolle* (Morawitz), 20.vi.01, Collard Hill, Som., ST4834; *Sphecodes niger* Sichel, 30.v.01, Tickenham Hill, Som., ST4472 and 3.vii.01, Purn Hill, Som., ST3357. Anthophoridae: *Anthophora retusa* (L.), 7.v.01, Stokeford Heath, Dorset, SY8788; *Nomada argentata* H.-S., 19.vii.01, Cheddar Gorge, Som., ST4754.

HALSTEAD, A.J.—(a) Some scarce or local sawflies and aculeate Hymenoptera taken in 2001. Argidae: *Sterictiphora geminata* (Gmel.), female, 10.v.01, river bank wildlife area, RHS Garden, Wisley, Surrey, TQ063591. Diprionidae: *Diprion simile* (Hartig), male, reared, 1.v.01, as previous sp.; female, 26.vi.01, Frensham Common, Surrey, SU861415. Tenthredinidae: *Heterarthrus microcephalus* (Klug), female, bred

24.viii.01 from mined willow leaf collected 13.vii.01, Brownsham Farm, nr. Hartland, Devon, SS285259; *H. ochropoda* (Klug), male bred 9.v.01 from mined aspen leaf, collected 28.viii.00, Bookham Common, Surrey, TQ122565; *Parna tenella* (Klug), female, on lime leaf, 4.vii.01, Knaphill, Surrey, SU966587; *Phyllocolpa scotaspis* (Förster), female, swept from willow, 11.viii.01, Papercourt Marshes nr Ripley, Surrey, TQ038563; *P. coriacea* (Benson), female, swept 20.vi.01, river bank wildlife area, RHS Garden, Wisley, Surrey, TQ063591; *Nematus fuscomaculatus* Först. and *N. frenalis* Thom., females, swept 10.v.01, as previous sp.; *Amauronematus hedstroemi* Malaise, female, swept, 11.iv.01 as previous spp. Sphecidae: *Gorytes tumidus* (Panz.) female, in a greenhouse, RHS Garden, Wisley, Surrey, TQ066583; *Astata pinguis* (Dahlbom), male, swept 23.vi.01, Frensham Common, Surrey, SU861415.

(b) Some sawflies that feed on hawthorn. Pamphiliidae: *Pamphilius sylvaticus* (L.); *Neurotoma saltuum* (L.). Argidae: *Arge ustulata* (L.); *A. melanothroa* (Gmel.). Cimbicidae: *Trichosoma tibiale* Steph./*lucorum* (L.). Tenthredinidae: *Dineura stilata* (Klug); *Hoplocampa crataegi* (Klug); *H. pectoralis* Thom.; *Caliroa cerasi* (L.); *Priophorus pallipes* (Lepeletier); *P. pilicornis* (Curt.); *Nematus lucidus* (Panz.) and *Pristiphora crassicornis* (Hartig).

HAWKINS, R.D.—Two uncommon bees, *Nomada lathburiana* (Kirby) and *N. signata* Jurine (Hym: Anthophoridae), taken on Reigate Heath, Surrey, on 11.v.01. The latter was flying near burrows of its host bee, *Andrena fulva* (Müller). Another specimen of *N. lathburiana* was found on 25.v.01 at Earlswood Common, Surrey, about 4km to the east. These are new localities for this species but its host bee, *Andrena cineraria* (L.), has not yet been found in the district.

HODGE, P.J.—A male solitary bee, *Sphecodes spinulosus* von Hagens, which is new to Hertfordshire. It was swept from lush vegetation by a track adjacent to the perimeter hedgerow at Frogmore Gravel Pit, Aston, Herts, TL285206 on 29.v.2000.

JONES, R.A.—The ant *Lasius fuliginosus* (Lat.) taken at Morden Cemetery, Surrey on 14.v.98 and 10.ix.98.

PAVETT, P.M.—Some Hymenoptera collected in the Horsh Ehdn Nature Reserve, Lebanon, as part of a visit by National Museums & Galleries of Wales, Cardiff, in collaboration with the Lebanese University, Beirut.

RAPER, C.M.T.—A collection of insects collected xi–xii.2000 in French Guiana, including some Hymenoptera.

SMITH, M.N.—Some uncommon bees and wasps taken in 2001. Sphecidae: *Cerceris quinquefasciata* (Rossius), 20.vi.01, Hitchcops Pit Reserve, Oxon.; *Nysson dimidiatus* Jurine, 20.vii.01, Sevenoaks Wildfowl Reserve, Kent. Vespidae: *Dolichovespula saxonica* (F.), 20.vii.01, Sevenoaks Wildfowl Reserve, Kent. Colletidae: *Hylaeus cornutus* Curt., 27.viii.01, Mapeldurwell Fen, Old Basing, Hants. Halictidae: *Lasioglossum puncticolle* (Morawitz), *Sphecodes crassus* Thom. and *S. longulus* von Hagens, 20.vii.01, Sevenoaks Wildfowl Reserve, Kent. Melittidae: *Dasygaster altercator* (Harris), 20.vii.01, Sevenoaks Wildfowl Reserve, Kent. Anthophoridae: *Nomada flavopicta* (Kirby), 23.vii.01, Fletchwood Meadows Reserve, Ashurst, Hants. Megachilidae: *Heriades truncorum* (L.), 20.vii.01, Sevenoaks Wildfowl Reserve, Kent. Apidae: *Bombus (Psithyrus) rupestris* (F.), 27.v.01, Dry Sandford Pit, Oxon.

STUBBS, A.E.—A nest of the social wasp, *Dolichovespula media* (Retz.) collected in Peterborough, Cambs.

ORTHOPTERA

COLEMAN, D.A.—The southern oak bush cricket, *Meconema meridionale* (Costa) in Carshalton, Surrey. The presence of this species in Britain was first recognised by Roger Hawkins when he found it at Thames Ditton, Surrey in 2001. On 18.x.01 a female was found by torchlight on the trunk of a sycamore tree in the exhibitor's Carshalton garden (TQ275639). During 20–30 October, other individuals, often ovipositing females, were seen. Only two males were seen during this period. Cold weather in early November was thought to have killed off the adults but two females and a male were seen on 7.xi.01. All of the sightings were on semi-mature sycamore trees which formed a continuous canopy. Other trees in the neighbourhood were examined but no other sightings were made. [Following the Exhibition, sightings continued until 30.xi.01 (female) and 4.xii.01 (male).]

JONES, G.H.—A provisional atlas of the orthopteran fauna of Glamorgan.

ARACHNIDA

SOUTH WALES ARACHNID GROUP—An exhibit to promote the activities of the South Wales Arachnid Group and their newsletter, Cobweb.

MISCELLANEOUS

STUBBS, J.—An exhibit chronicling the long friendship between Johann Christian Fabricius (1745–1808) and Sir Joseph Banks (1743–1820). This included records of Fabricius' first visit to London from Denmark in 1767, a letter from Fabricius which contains the only evidence that Banks may have fathered a child, and résumés of letters from Fabricius to Banks written between 1773–1805. The exhibit also showed Sir Joseph's penchant for recording the weights of people, although those for Fabricius do not indicate whether it was Mr or Mrs Fabricius. The correspondence includes a begging letter sent by Mrs Fabricius to Sir Joseph in July 1782 and the last poignant letter sent by Fabricius to Banks in 1805.